Fortinet Product Quick Guide
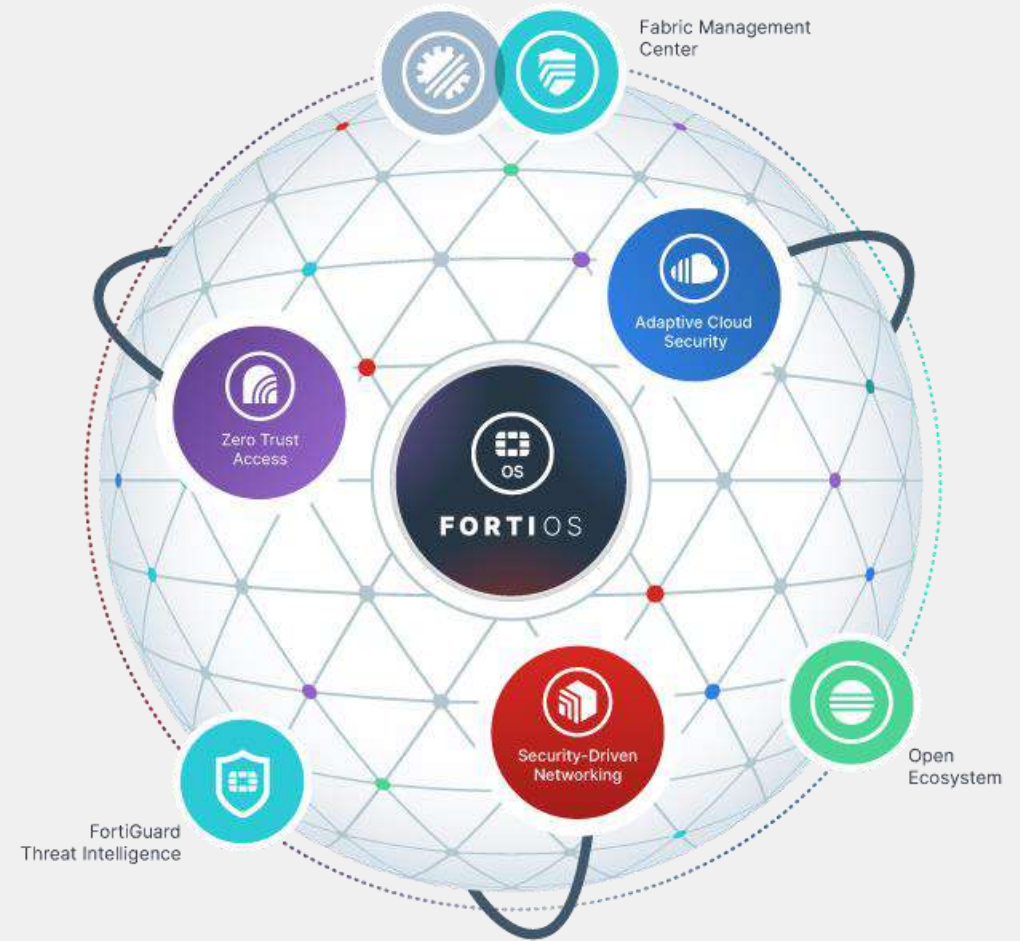
Fortinet Security Fabric

BROAD
visibility of the entire digital attack surface to better manage risk

INTEGRATED
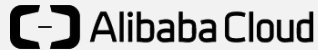solution that reduces the complexity of supporting multiple point products

AUTOMATED
workflows to increase speed of operations and response

Fortinet Security Fabric diagram

FortiGate Cloud
- FortiGate Mgmt., Log Analysis and Retention
- Bulk Provisioning
- IoC Service

FortiSandbox Cloud
FortiMail Cloud
FortiWeb Cloud
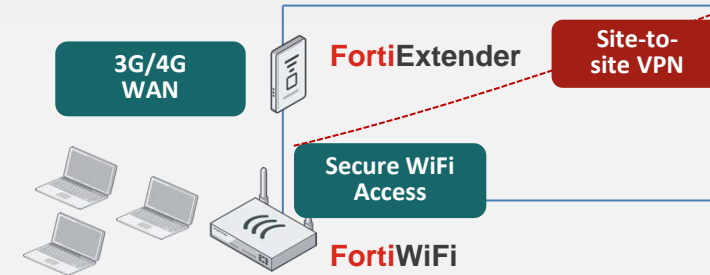**FortiAP Cloud**
FortiSwitch Cloud
FortiToken Cloud
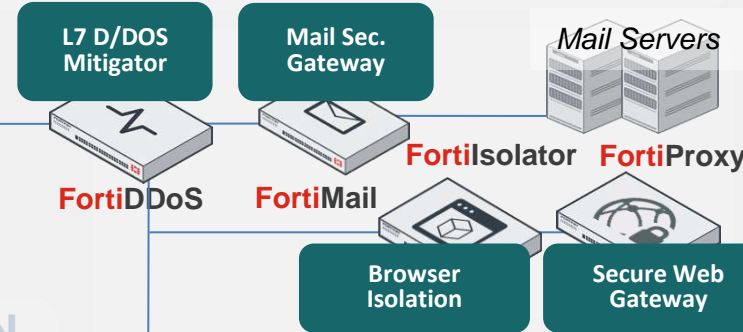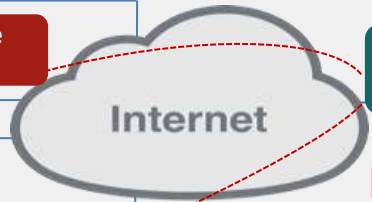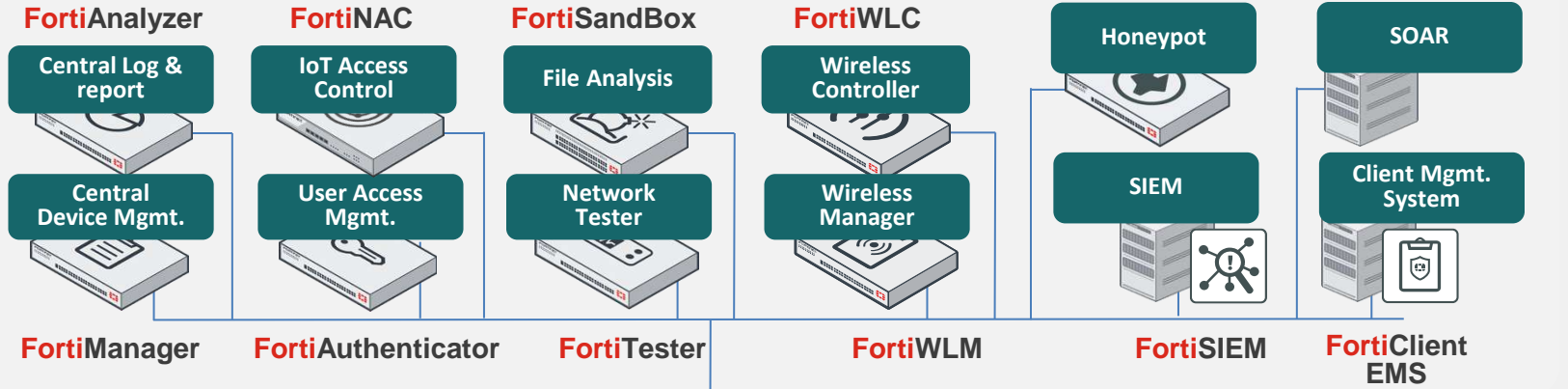**FortiVoice Cloud**

FortiPresence
FortiCASB
FortiCWP

aws
Azure
ORACLE Cloud Infrastructure
Alibaba Cloud

FTNT Hosted Services
Public Cloud Instances

SECURITY/NETWORK OPERATING CENTER

FortiAnalyzer
- Central Log & report
- Central Device Mgmt.

FortiManager

FortiNAC
- IoT Access Control
- User Access Mgmt.

FortiAuthenticator

FortiSandBox
- File Analysis
- Network Tester

FortiTester

FortiWLC
- Wireless Controller
- Wireless Manager

FortiWLM

FortiDeceptor
- Honeypot
- SIEM

FortiSIEM

FortiSOAR
- SOAR
- Client Mgmt. System

FortiClient EMS

Remote VPN
Security Gateway

Internet

FortiGate

L7 D/DOS Mitigator
Mail Sec. Gateway
Mail Servers

FortiDDoS
FortiMail
FortiIsolator **FortiProxy**

2 Factor OTP Token
Endpoint Security

FortiToken

FortiClient
FortiEDR

Browser Isolation
Secure Web Gateway

MOBILE USERS

3G/4G WAN
FortiExtender
Site-to-site VPN

Secure WiFi Access

FortiWiFi

REMOTE OFFICE

LAN

Switch
Access Point
Surveillance
IP PBX

FortiSwitch
FortiAP
FortiRecorder
FortiVoice

FortiCamera
FortiFone

DATA CENTER

- VMWare
- Citrix Xen
- MS Hyper-V
- KVM
- Nutanix AHV

Virtual Appliances

Web App. Firewall
Load Balancer

Web Servers

FortiWeb
FortiADC

3

Fortinet Security Fabric

Content

FortiGate/FortiWiFi

Fortinet Security Processor Evolution

CP6 · CP7 · CP8 · CP9

NP2 · NP4 · NP6 · NP7

SoC1 · SoC2 · SoC3 · SoC4

2006 · 2007 · 2008 · 2009 · 2010 · 2011 · 2012 · 2013 · 2014 · 2015 · 2016.. · 2019 · 2020
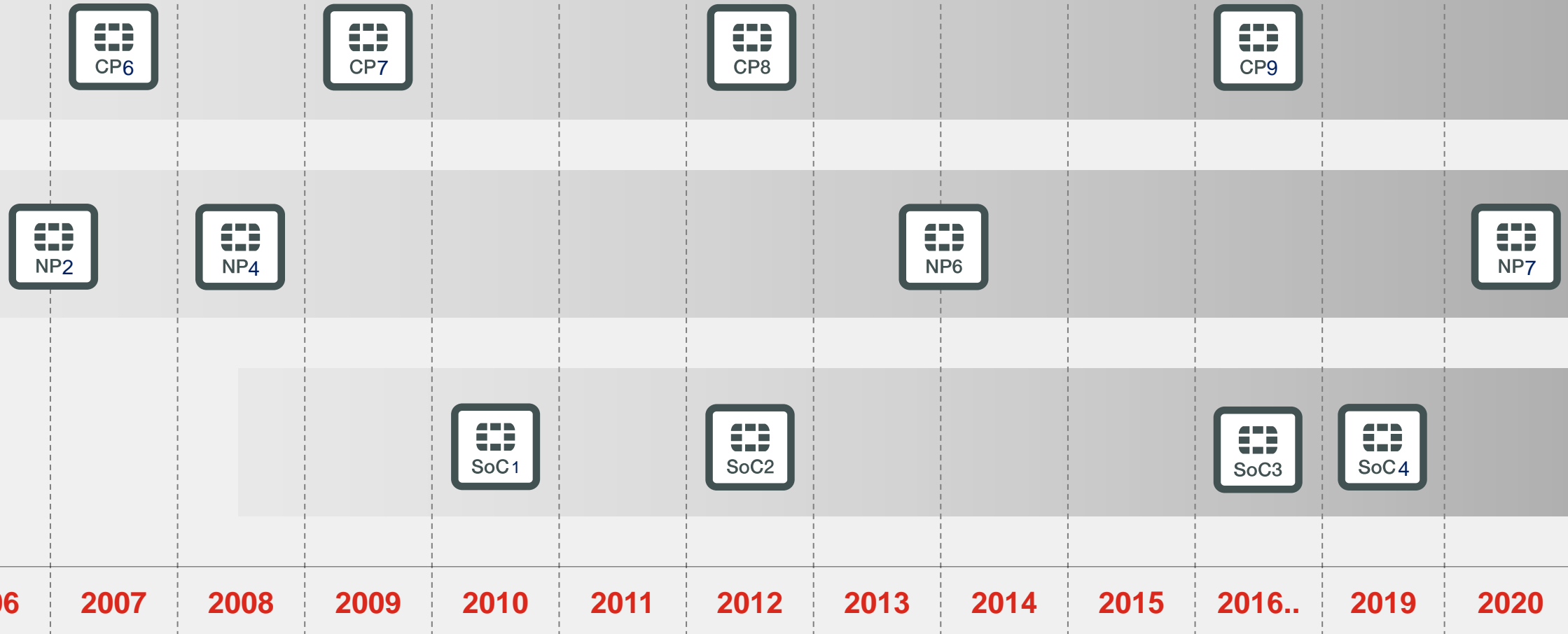
FortiGate Product Range

CPU	SoC	NP CP Multi Core CPU	NP CP Multi Core CPU	NP CP Multi Core CPU Processor Card System	Multi Core CPU
150 Mbps	250 Mbps	1 Gbps - 20 Gbps		35 Gbps - 100 Gbps	H/W Dependent

Personality, Threat Protection Performance and Scalability

Mobile Security

Segmentation

600-900 Series

IPS

4000 & 6000 Series

5000 & 7000 Series

VM Series

SWG

100-500 Series

3000 Series

NGFW

1000-2000 Series

Secure SD-WAN

30-90 Series

CFW/ VMFW

Software & Services

FortiGuard Security Services

FortiOS Operating System

FortiCare Support Services

Product Range	Entry-Level	Mid-Range	High-End	Ultra High-End	Chassis-Based	Virtual Appliances

FortiGate Entry Level Series - Overview

Feature-rich Security Appliances For Small/Home Offices & Small Branch Offices

- **FG- 80E/80F Series**
- **FG/FWF- 60E/60F Series**
- **FG/FWF- 40F Series**
- **FG/FWF- 30E/50E Series**

NGFW

Secure SD-WAN

950 Mbps – 10 Gbps
Firewall throughput

200 Mbps - 1 Gbps
NGFW Throughput

300 Mbps – 1.4 Gbps
IPS Throughput

150 Mbps - 900 Mbps
Threat Protection Throughput

GE RJ45 | GE RJ45 PoE/+ | GE SFP
Variants: WiFi | In-built 3G4G | In-built DSL | Ruggedized

FortiGate Entry Level Series: Comparison

	FG-30E	FG-40F	FG-50E	FG-60E	FG-60F	FG-80E	FG-80F
Firewall (1518/512/64 byte UDP)	950 Mbps	5 / 5 / 5 Gbps	2.5 Gbps	3 / 3 / 3 Gbps	10 / 10 / 6 Gbps	4 /4 /4 Gbps	10 / 10 / 7 Gbps
Concurrent Sessions	900,000	700,000	1.8 Mil	1.3 Mil	700,000	1.3 Mil	1.5 Mil
New Sessions/Sec	15,000	35,000	21,000	30,000	35,000	30,000	45,000
IPSec VPN	75 Mbps	4.4 Gbps	90 Mbps	2 Gbps	6.5 Gbps	2.5 Gbps	6.5 Gbps
IPS (Ent. Mix)	300 Mbps	1 Gbps	350 Mbps	400 Mbps	1.4 Gbps	450 Mbps	1.4 Gbps
NGFW (Ent. Mix)	200 Mbps	800 Mbps	220 Mbps	250 Mbps	1 Gbps	360 Mbps	1 Gbps
Threat Protection (Ent. Mix)	150Mbps	600 Mbps	160 Mbps	180 Mbps	700 Mbps	250 Mbps	900 Mbps
Interfaces	5 x GE RJ45	5 x GE RJ45	7 x GE RJ45	10 x GE RJ45	10 x GE RJ45	14 x GE RJ45 2x Shared Media Pairs	10 x GE RJ45
Storage	-	-	32 GB (51E)	128 GB (61E)	128 GB (61F)	128 GB (81E)	128 GB (81F)
Variants	WiFi, 3G4G	WiFi, 3G4G	WiFi	WiFi, PoE	WiFi	PoE	Bypass

FortiGate Entry Level Series: Comparison

	FWF30E	FWF40F	FWF50E	FWF60/61E	FWF60/61F
Thick AP	●	●	●	●	●
Wireless Controller	●	●	●	●	●
# of WiFi radios	1	1	1	1	1
Supported Std	a/b/g/n	a/b/g/n/ac W2	a/b/g/n	a/b/g/n/ac	a/b/g/n/ac W2
802.11n	2x2 MIMO	3x3 MIMO	2x2 MIMO	2x2 MIMO	3x3 MIMO
Max wireless association rate total	300 Mbps	1,300 Mbps	300 Mbps	867 Mbps	1,300 Mbps
SSID's (incl. reserved)	8	8	8	8	8
Max AP (Total/ Tunnel)	2 / 2	16 / 8	10 / 5	30 / 10	64 / 32

FortiGate/FortiWiFi 30E
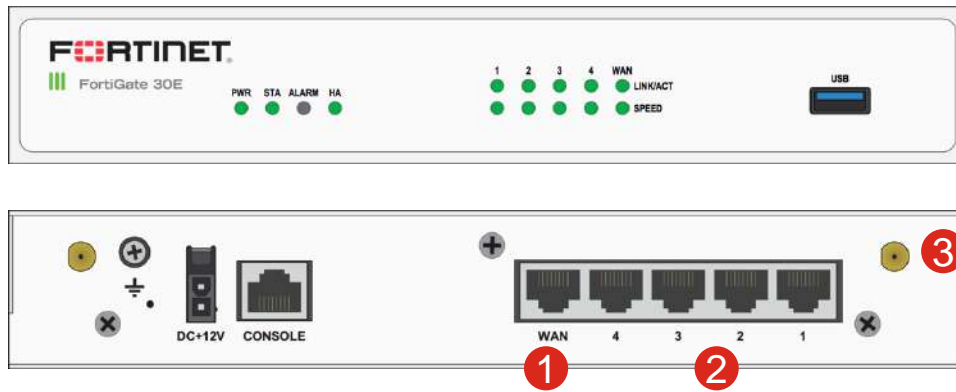
① 1 x GE RJ45 WAN Port
② 4 x GE RJ45 Ports
③ WiFi Variant: 802.11a/b/g/n

Desktop | a/b/g/n

950 Mbps
Firewall throughput

15,000
New Sessions/Sec

0.9 Million
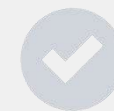Concurrent Sessions

125 Mbps
SSL Inspection Throughput

300 Mbps
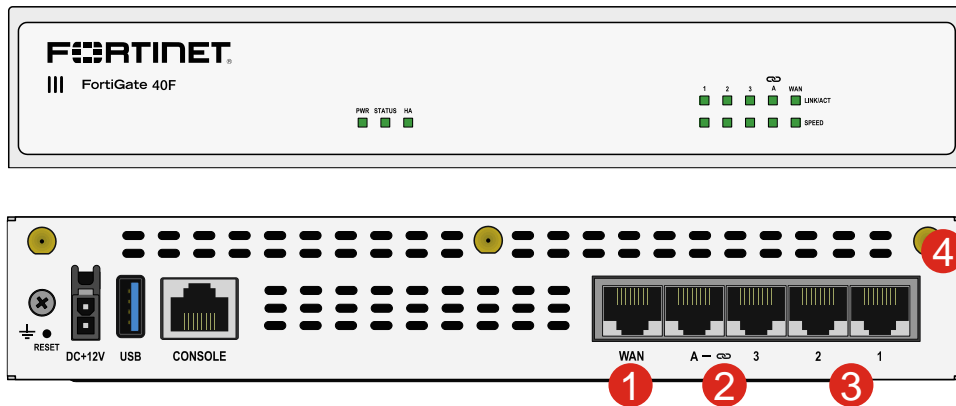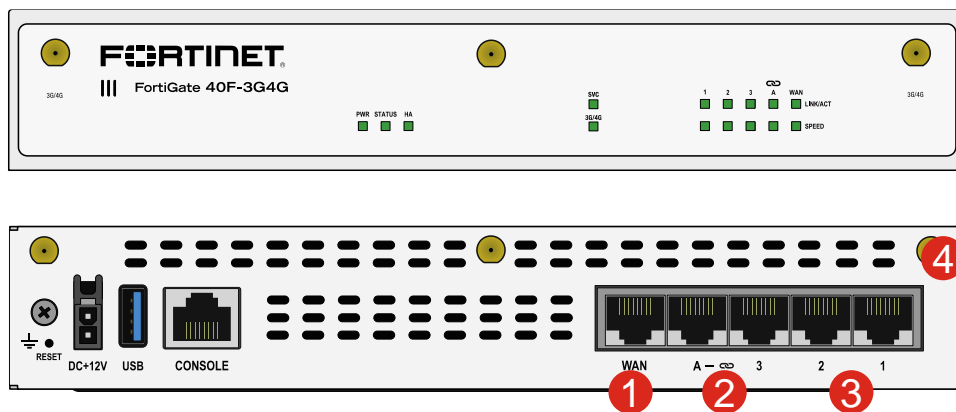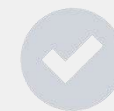IPS Throughput

200 Mbps
NGFW Throughput

150 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   2   8
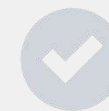
FortiGate 30E-3G4G
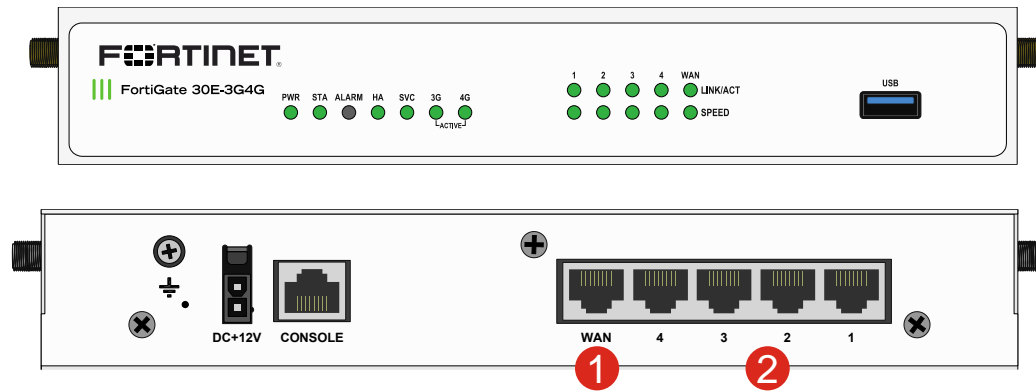
① 1 x GE RJ45 WAN Port
② 4 x GE RJ45 Ports
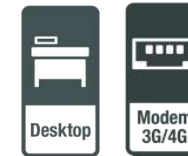
950 Mbps
Firewall throughput

15,000
New Sessions/Sec

0.9 Million
Concurrent Sessions

125 Mbps
SSL Inspection Throughput

300 Mbps
IPS Throughput

200 Mbps
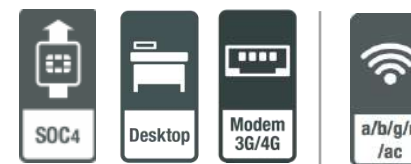NGFW Throughput

150 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   2   8

FortiGate/FortiWiFi 40F

① 1 x GE RJ45 WAN Port
② 1 x GE RJ45 FortiLink Port
③ 3 x GE RJ45 Ports
④ WiFi Variant: 802.11a/b/g/n/ac W2

SOC4 Desktop a/b/g/n /ac

5 Gbps
Firewall throughput

35,000
New Sessions/Sec

700,000
Concurrent Sessions

310 Mbps
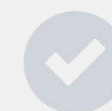SSL Inspection Throughput

1 Gbps
IPS Throughput
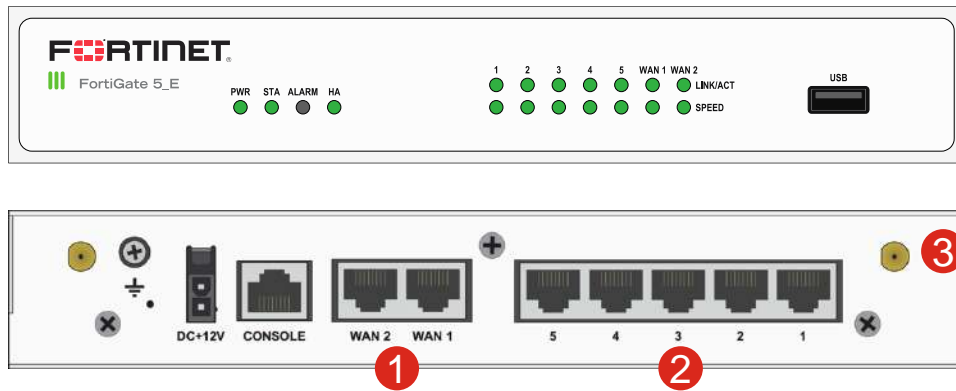
800 Mbps
NGFW Throughput

600 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   16   8

FortiGate/FortiWiFi 40F-3G4G

① 1 x GE RJ45 WAN Port
② 1 x GE RJ45 FortiLink Port
③ 3 x GE RJ45 Ports
④ WiFi Variant: 802.11a/b/g/n/ac W2

5 Gbps
Firewall throughput

35,000
New Sessions/Sec

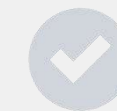**700,000**
Concurrent Sessions

310 Mbps
SSL Inspection Throughput
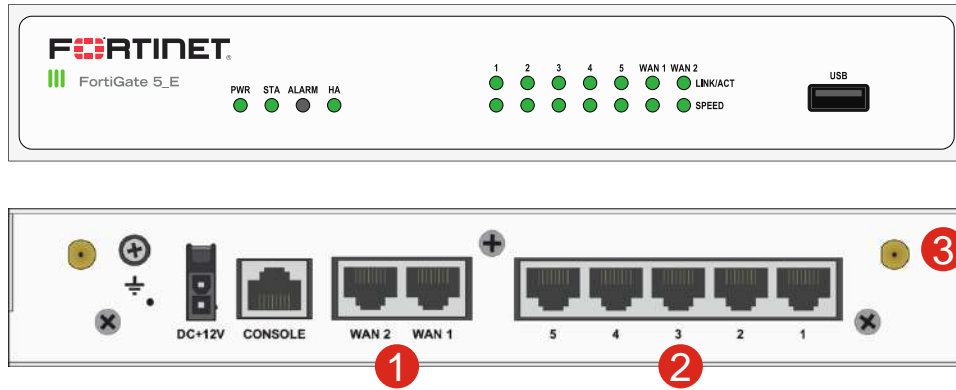
1 Gbps
IPS Throughput

800 Mbps
NGFW Throughput

600 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   16   8

FortiGate/FortiWiFi 50E

FORTINET®

III FortiGate 5_E

PWR STA ALARM HA

1 2 3 4 5 WAN 1 WAN 2 LINK/ACT
SPEED

USB

DC+12V CONSOLE WAN 2 WAN 1 5 4 3 2 1

① 1
② 2
③ 3

① **2 x GE RJ45 WAN Ports**
② **5 x GE RJ45 Ports**
③ **WiFi Variant: 802.11a/b/g/n**

Desktop | a/b/g/n

2.5 Gbps
Firewall throughput

21,000
New Sessions/Sec

1.8 Million
Concurrent Sessions

150 Mbps
SSL Inspection Throughput
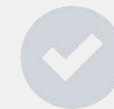
350 Mbps
IPS Throughput

220 Mbps
NGFW Throughput

160 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

38462 **500**

10

8

FortiGate/FortiWiFi 51E

FORTINET

FortiGate 5_E

PWR STA ALARM HA

1 2 3 4 5 WAN 1 WAN 2

LINK/ACT

SPEED

USB

DC+12V CONSOLE WAN 2 WAN 1 5 4 3 2 1

① 2 x GE RJ45 WAN Ports
② 5 x GE RJ45 Ports
③ WiFi Variant: 802.11a/b/g/n

Desktop 32GB a/b/g/n

2.5 Gbps
Firewall throughput

21,000
New Sessions/Sec

1.8 Million
Concurrent Sessions

150 Mbps
SSL Inspection Throughput

350 Mbps
IPS Throughput

220 Mbps
NGFW Throughput

160 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

38462 500 10 8

FortiGate/FortiWiFi 60E

FortiGate 60E

① 2 x GE RJ45 WAN Ports
② 1 x GE RJ45 DMZ Port
③ 7 x GE RJ45 Ports
④ WiFi Variant: 802.11a/b/g/n/ac

SOC3 | Desktop | a/b/g/n/ac

3 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
Concurrent Sessions

135 Mbps
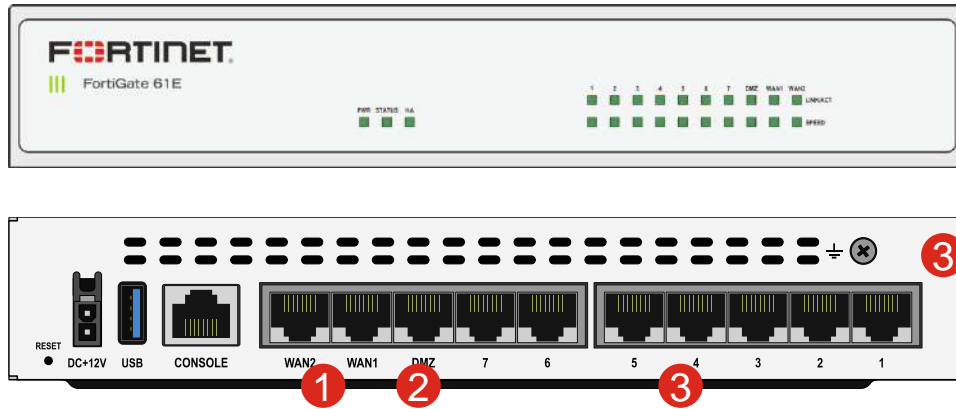SSL Inspection Throughput

400 Mbps
IPS Throughput

250 Mbps
NGFW Throughput

200 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   30   16

FortiGate/FortiWiFi 61E

① 2 x GE RJ45 WAN Ports
② 1 x GE RJ45 DMZ Port
③ 7 x GE RJ45 Ports
④ WiFi Variant: 802.11a/b/g/n/ac

3 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
Concurrent Sessions

135 Mbps
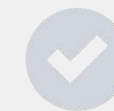SSL Inspection Throughput

400 Mbps
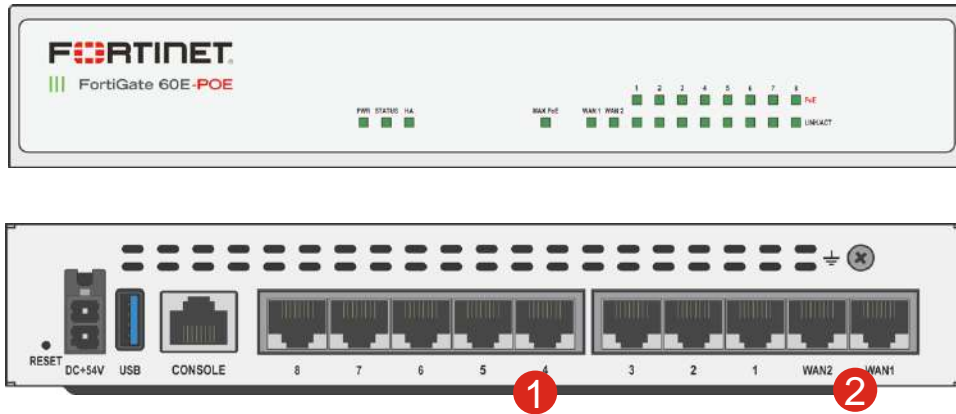IPS Throughput

250 Mbps
NGFW Throughput

200 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500
30
16

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FortiGate 60E-POE

① 8 x GE RJ45 PoE/+ Ports
② 2 x GE RJ45 WAN Ports

3 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
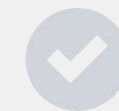Concurrent Sessions

135 Mbps
SSL Inspection Throughput

400 Mbps
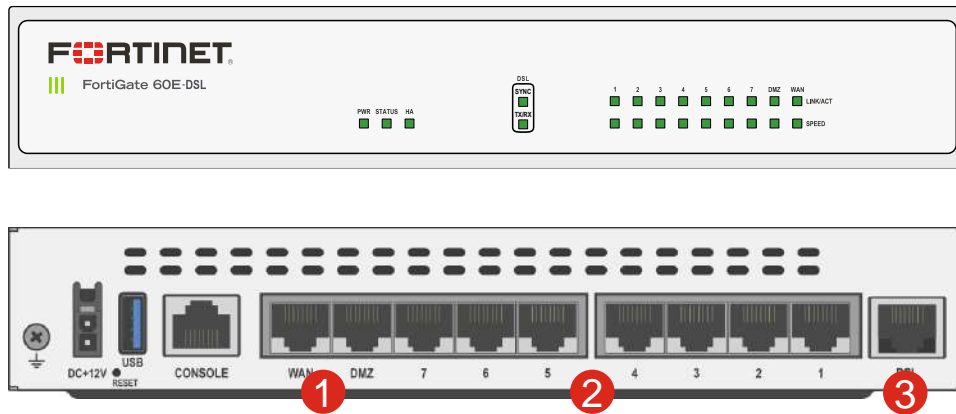IPS Throughput

250 Mbps
NGFW Throughput

200 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500 30 16

FortiGate/FortiWiFi 60E-DSL/J

① 2 x GE RJ45 WAN/DMZ Ports
② 7 x GE RJ45 Ports
③ 1 x GE RJ11 DSL Ports

3 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
Concurrent Sessions

135 Mbps
SSL Inspection Throughput

400 Mbps
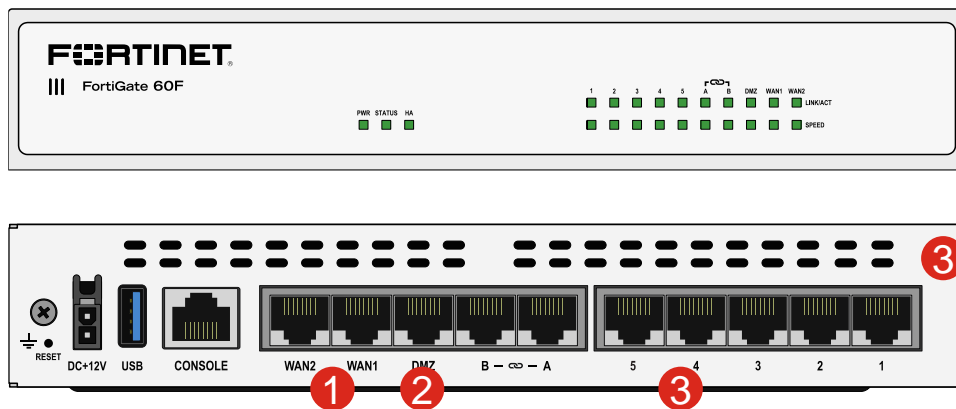IPS Throughput

250 Mbps
NGFW Throughput

200 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   30   16

FortiGate/FortiWiFi 60/61F
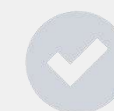
① 2 x GE RJ45 WAN Ports
② 1 x GE RJ45 DMZ Port
③ 7 x GE RJ45 Ports

SOC4 | Desktop | 128GB | a/b/g/n /ac

10 Gbps
Firewall throughput

35,000
New Sessions/Sec

700,000
Concurrent Sessions

630 Mbps
SSL Inspection Throughput

1.4 Gbps
IPS Throughput

1. Gbps
NGFW Throughput

700 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500 | 64 | 16

FortiGate 80E/81E
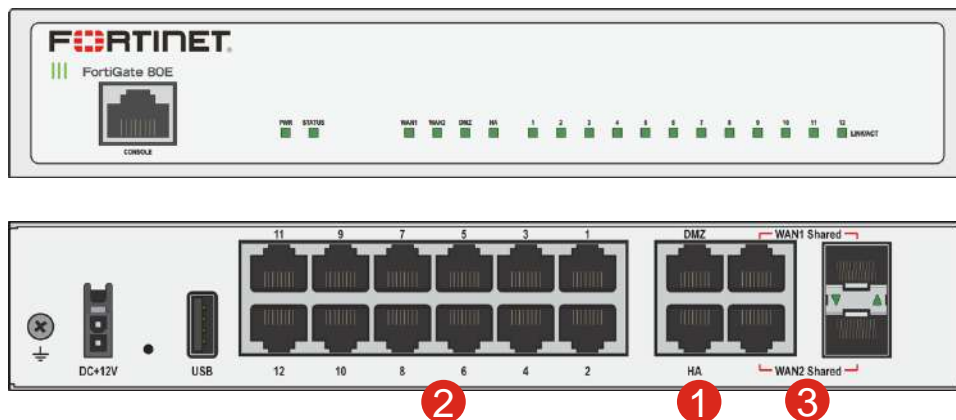
① 2 x GE RJ45 DMZ/HA Port
② 12 x GE RJ45 Ports
③ 2x Shared Media interface Pairs

SOC3   Desktop   128GB

4 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
Concurrent Sessions

135 Mbps
SSL Inspection Throughput

450 Mbps
IPS Throughput

360 Mbps
NGFW Throughput

250 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   16

FortiGate 80E/81E-POE

① 2 x GE RJ45 DMZ/HA Port
② 12 x GE RJ45 PoE/+ Ports
③ 2x Shared Media interface Pairs

4 Gbps
Firewall throughput

30,000
New Sessions/Sec

1.3 Million
Concurrent Sessions

135 Mbps
SSL Inspection Throughput

450 Mbps
IPS Throughput

360 Mbps
NGFW Throughput

250 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   16

FortiGate 80/81F

① 8 x GE RJ45 Ports

② 2x Shared Media interface Pairs

SOC4 | Desktop | 128GB

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
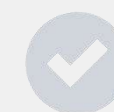SSL Inspection Throughput

1.4 Gbps
IPS Throughput
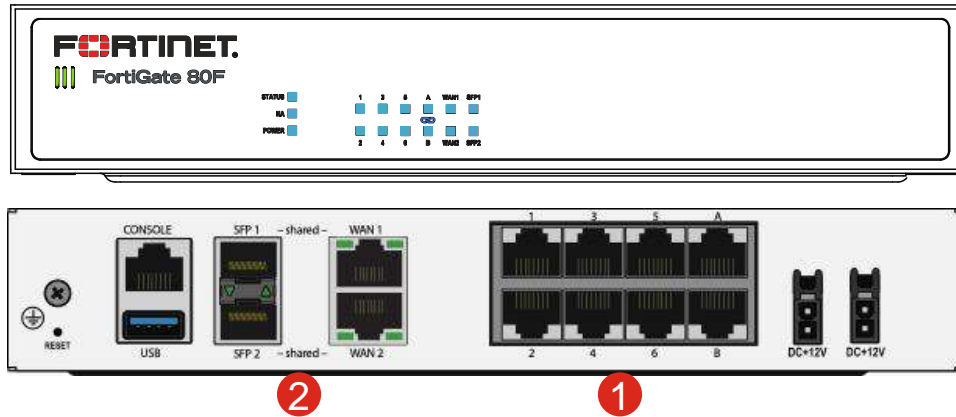
1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   96   16

FortiGate 80F-Bypass

① 8 x GE RJ45 Ports
② 2x Shared Media interface Pairs

* WAN1 and Port1 are default configured as 1x bypass GE RJ45 port pair

SOC4   Desktop

10 Gbps
Firewall throughput

45,000
New Sessions/Sec

1.5 Million
Concurrent Sessions

715 Mbps
SSL Inspection Throughput
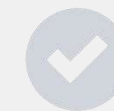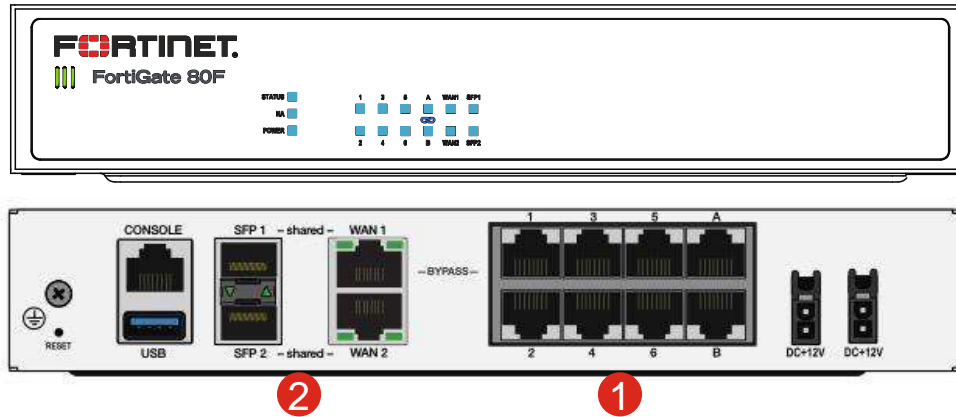
1.4 Gbps
IPS Throughput

1 Gbps
NGFW Throughput

900 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   16

FortiGate Rugged Series: Comparison

	FGR-30D	FG-35D	FGR-60D	FGR-60F	FGR-90D
Firewall (1518 UDP)	900 Mbps	550 Mbps	1.5 Gbps	6 Gbps	2 Gbps
Concurrent Sessions	750,000	750,000	500,000	600,000	2.5 Million
New Sessions/Sec	5,000	5,000	4,000	19,000	20,000
IPSec VPN	45 Mbps	45 Mbps	1 Gbps	3.5 Gbps	84 Mbps
IPS (Ent. Mix)	230 Mbps	230 Mbps	95 Mbps	950 Mbps	350 Mbps
NGFW (Ent. Mix)	45 Mbps	65 Mbps	40 Mbps	550 Mbps	370 Mbps
Threat Protection (Ent. Mix)	16 Mbps	16 Mbps	23 Mbps	500 Mbps	280 Mbps
Interfaces	4x GE RJ45 ports, 2x GE SFP slots	3x GE RJ45 Switch ports	4 x GE RJ45 Switch ports, 2 x Shared Media pairs	4 x GE RJ45 Switch ports, 2 x Shared Media pairs (can be configured with 1 RJ45 Bypass pair)	3x GE RJ45 ports, 1x GE RJ45 bypass pair, 2x SFP slots
Storage	-	-	-	-	-
Others	-	IP67	-	-	-

FortiGate Rugged-30D
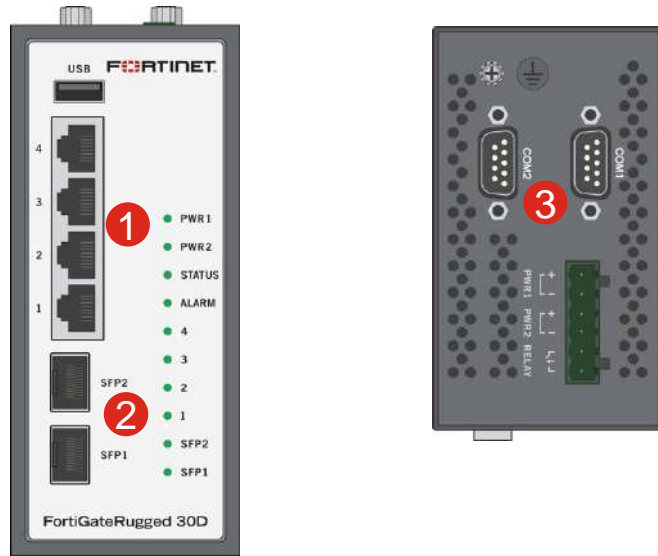
① 4x GE RJ45 Ports
② 2x GE SFP Slots
③ 2x DB9 Serial Port

Desktop   Rugged Device

900 Mbps
Firewall throughput

750,000
Concurrent Sessions

5,000
New Sessions/Sec

180 Mbps
IPS Throughput

45 Mbps
NGFW Throughput

16 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   8

FortiGate Rugged-35D

① **3x GE RJ45 Ports**

Desktop | Rugged Device

550 Mbps
Firewall throughput

750,000
Concurrent Sessions

5,000
New Sessions/Sec

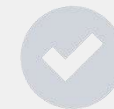**210 Mbps**
IPS Throughput

65 Mbps
NGFW Throughput

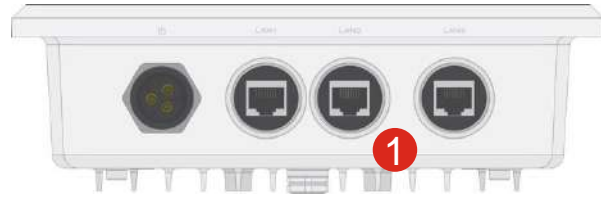**16 Mbps**
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500

32

8

FortiGate Rugged-60D

① 4x GE RJ45 Ports
② 2x Shared Media Pairs
③ 1x DB9 Serial Port

1.5 Gbps
Firewall throughput

500,000
Concurrent Sessions

4,000
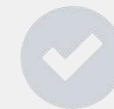New Sessions/Sec

95 Mbps
IPS Throughput

40 Mbps
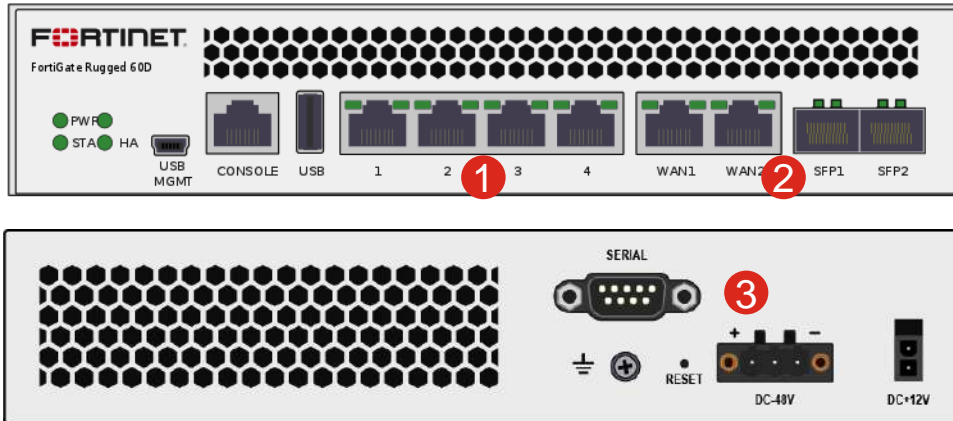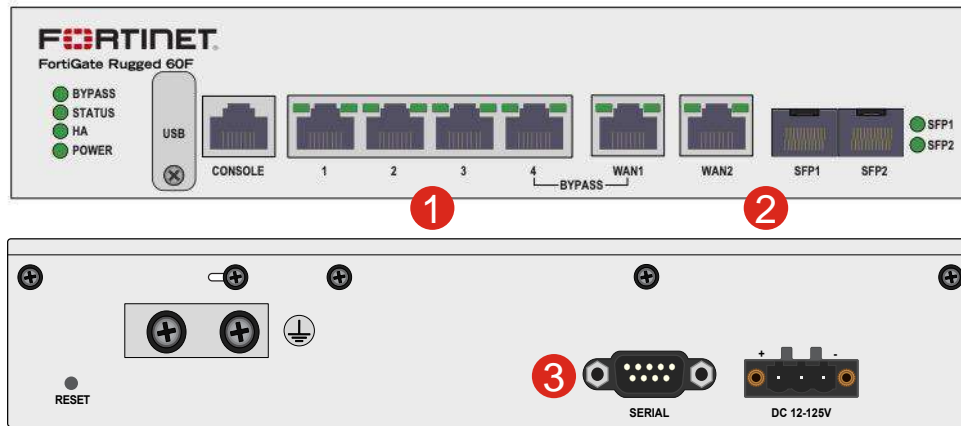NGFW Throughput

23 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   8

FortiGate Rugged-60F

① 4x GE RJ45 Ports
② 2x Shared Media Pairs
③ 1x DB9 Serial Port

* WAN1 and Port4 are default configured as 1x bypass GE RJ45 port pair

SOC4   **Desktop**   **Rugged Device**

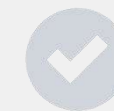|	
6 Gbps Firewall throughput	**950 Mbps** IPS Throughput
19,000 New Sessions/Sec **600,000** Concurrent Sessions	**550 Mbps** NGFW Throughput
460 Mbps SSL Inspection Throughput	**500 Mbps** Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

38462 **500**   **30**   **16**

FortiGate Rugged-60F-3G4G

① 4x GE RJ45 Ports
② 2x Shared Media Pairs
③ 2x SIM Slots
④ 1x DB9 Serial Port

* WAN1 and Port4 are default configured as 1x bypass GE RJ45 port pair

SOC4 Desktop Rugged Device Modem 3G/4G

6 Gbps
Firewall throughput

19,000
New Sessions/Sec

600,000
Concurrent Sessions

460 Mbps
SSL Inspection Throughput
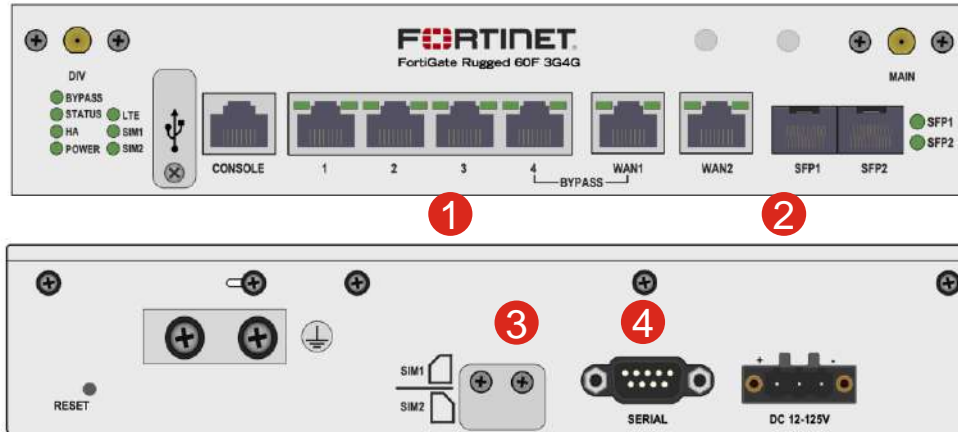
950 Mbps
IPS Throughput

550 Mbps
NGFW Throughput

500 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   30   16

FortiGate Rugged-90D
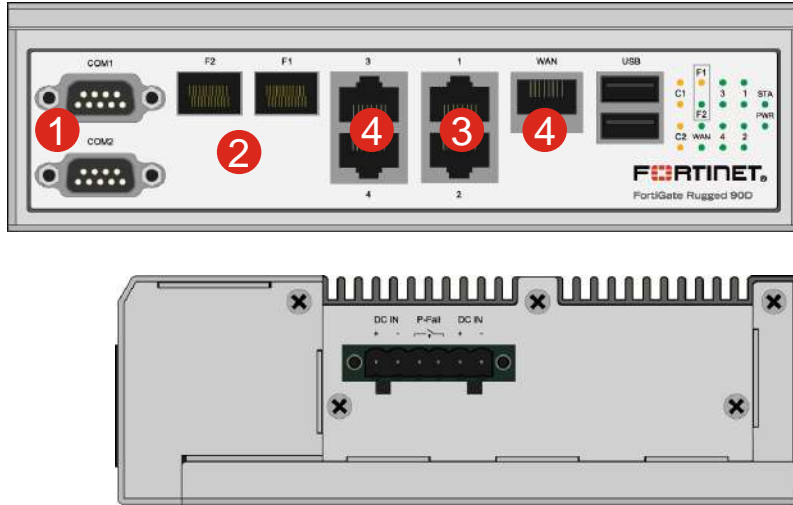
① 2x DB9 Serial Interface/Console
② 2x GE SFP Slots
③ 1x GE RJ45 Bypass Pair
④ 3x GE RJ45 ports

Desktop   Rugged Device

2 Gbps
Firewall throughput

2.5 Million
Concurrent Sessions

20,000
New Sessions/Sec

350 Mbps
IPS Throughput

370 Mbps
NGFW Throughput

280 Mbps
Threat Protection Throughput

Small Business / Remote Office
NGFW / Secure SD-WAN

500   32   8

FortiGate Mid-Range Series - Overview

High Performance, Top Rated Network Security for Mid-Sized Enterprises

- FG-900D
- FG-800D
- FG-600E
- FG-500E

- FG-400E
- FG-300E
- FG-200E Series
- FG-100F Series

NGFW

Secure SD-WAN

SWG *(600 series+)*

IPS *(600 series+)*

7.4 Gbps – 50 Gbps
Firewall throughput

500 Mbps – 10 Gbps
IPS Throughput

360 Mbps – 9.5 Gbps
NGFW Throughput

250 Mbps – 7 Gbps
Threat Protection Throughput

GE RJ45 | GE SFP | 10GE SFP+

FortiGate Mid Range Devices: Comparison

|	FGT-100E Series	FGT-140E-POE	FGT-100F Series	FGT-200E Series	FGT-200F Series
Firewall (1518/512/64 byte UDP)	7.4 / 7.4 / 4.4 Gbps	7.4 / 7.4 / 4.4 Gbps	20 / 18 / 10 Gbps	20 / 20 / 9 Gbps	27 / 27 / 11 Gbps
Concurrent Sessions	2 Mil	2 Mil	1.5 Mil	2 Mil	3 Mil
New Sessions/Sec	30,000	30,000	56,000	135,000	280,000
IPSec VPN	4 Gbps	4 Gbps	11.5 Gbps	9 Gbps	13 Gbps
IPS (Ent. Mix)	500 Mbps	500 Mbps	2.6 Gbps	2.2 Gbps	5 Gbps
NGFW (Ent. Mix)	360 Mbps	360 Mbps	1.6 Gbps	1.8 Gbps	3.5 Gbps
Threat Protection (Ent. Mix)	250 Mbps	250 Mbps	1 Gbps	1.2 Gbps	3 Gbps
Interfaces	20 x GE RJ45, 2x Shared Media Pairs	18 x GE RJ45, 24 x GE RJ45 POE, 2 x GE SFP	2 x 10GE SFP+, 18 x GE RJ45, 8x GE SFP, 4x Shared Media Pairs	18x GE RJ45, 4x GE SFP	4x 10 GE SFP+, 18x GE RJ45, 8x GE SFP
Storage	480 GB (101E)	-	480 GB (101F)	480 GB (201E)	480 GB (201F)
Variants	Fiber	-	-	-	-

FortiGate Mid Range Devices: Comparison

	FGT-300E Series	FGT-400E Series	FGT-500E Series	FGT-600E Series	FG-800D	FG-900D
Firewall (1518/512/64 byte UDP)	32 / 32 / 20 Gbps	32 / 32 / 24 Gbps	36 / 36 / 22 Gbps	32 / 32 / 27 Gbps	36 / 36 / 22 Gbps	52 / 52 / 33 Gbps
Concurrent Sessions	4 Mil	4 Mil	8 Mil	8 Mil	5 Mil	11 Mil
New Sessions/Sec	300,000	450,000	300,000	450,000	280,000	280,000
IPSec VPN	20 Gbps	20 Gbps	20 Gbps	20 Gbps	20 Gbps	25 Gbps
IPS (Ent. Mix)	5 Gbps	7.8 Gbps	5.2 Gbps	10 Gbps	4.2 Gbps	4.2 Gbps
NGFW (Ent. Mix)	3.5 Gbps	6 Gbps	5 Gbps	9.5 Gbps	4 Gbps	4 Gbps
Threat Protection (Ent. Mix)	3 Gbps	5 Gbps	4.7 Gbps	7 Gbps	3 Gbps	3 Gbps
Interfaces	18 x GE RJ45, 16 x GE SFP	18 x GE RJ45, 16 x GE SFP	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP	2x 10 GE SFP+, 10x GE RJ45, 8x GE SFP	2x 10 GE SFP+, 8x GE SFP, 4x GE RJ45 Bypass, 22x GE RJ45	2x 10GE SPF+, 16x GE SFP, 18x GE RJ45
Storage	480 GB (301E)	480 GB (401E)	480 GB (501E)	480 GB (601E)	240 GB	256 GB
Variants	-	-	-	-	-	-

FortiGate 100/101E
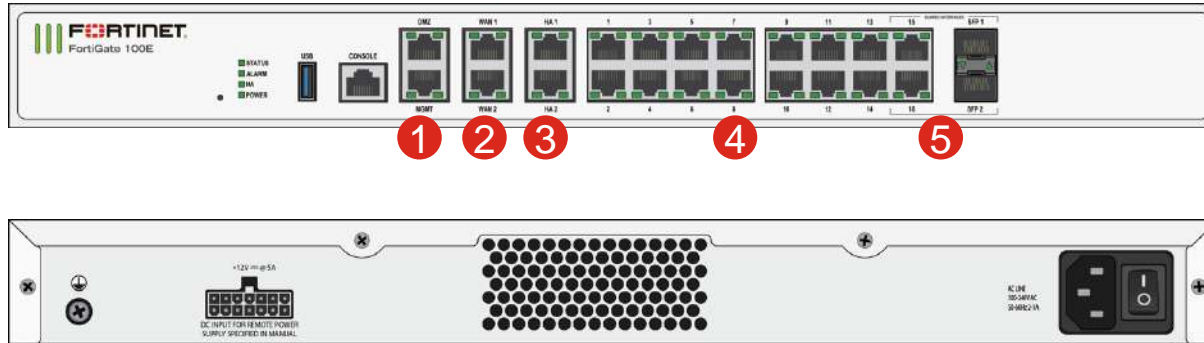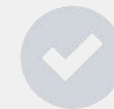
① 2 x GE RJ45 MGMT/DMZ Ports
② 2 x GE RJ45 HA Ports
③ 2 x GE RJ45 WAN Port
④ 14 x GE RJ45 Ports
⑤ 2 x GE RJ45/SFP Shared Media Pairs

SOC3 | **1U** | **RPS** | **480GB**

7.4 Gbps
Firewall throughput

30,000
New Sessions/Sec

2 Million
Concurrent Sessions

130 Mbps
SSL Inspection Throughput

500 Mbps
IPS Throughput

360 Mbps
NGFW Throughput

250 Mbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

5,000 **64** **32**

FortiGate 100EF

① 2 x GE RJ45 MGMT/DMZ Ports
② 2 x GE RJ45 WAN Ports
③ 2 x GE RJ45 HA Port
④ 8 x GE RJ45 Ports
⑤ 8 x GE SFP Slots

7.4 Gbps
Firewall throughput

30,000
New Sessions/Sec

2 Million
Concurrent Sessions

130 Mbps
SSL Inspection Throughput

500 Mbps
IPS Throughput

360 Mbps
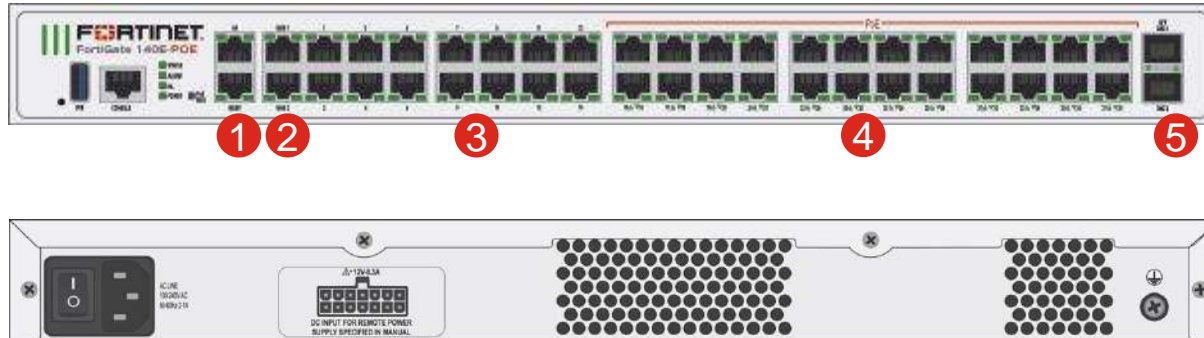NGFW Throughput

250 Mbps
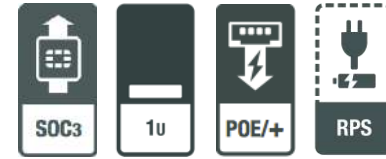Threat Protection Throughput

Enterprise Branch / Mid Enterprise
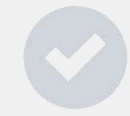NGFW / Secure SD-WAN

5,000   64   32

FortiGate 140E-POE

① 2 x GE RJ45 MGMT/HA Ports
② 2 x GE RJ45 WAN Ports
③ 14x GE RJ45 Ports
④ 24x GE PoE/+ Ports
⑤ 2 x GE SFP DMZ Slots

SOC3 1U POE/+ RPS

7.4 Gbps
Firewall throughput

500 Mbps
IPS Throughput

30,000
New Sessions/Sec

2 Million
Concurrent Sessions

360 Mbps
NGFW Throughput

130 Mbps
SSL Inspection Throughput

250 Mbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

5,000   64   32

FortiGate 100/101F

① 2 x GE RJ45 MGMT/DMZ Ports
② 2 x GE RJ45 HA Ports
③ 2 x GE RJ45 WAN Ports
④ 12 x GE RJ45 Ports
⑤ 2 x 10GE SFP+ FortiLink Slots
⑥ 8 x GE SFP Slots
⑦ 4 x GE RJ45/SFP Shared Media Pairs

SOC4 | 1U | POWER DUAL | 480GB

20 Gbps
Firewall throughput

2.6 Gbps
IPS Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

56,000
New Sessions/Sec

1.5 Million
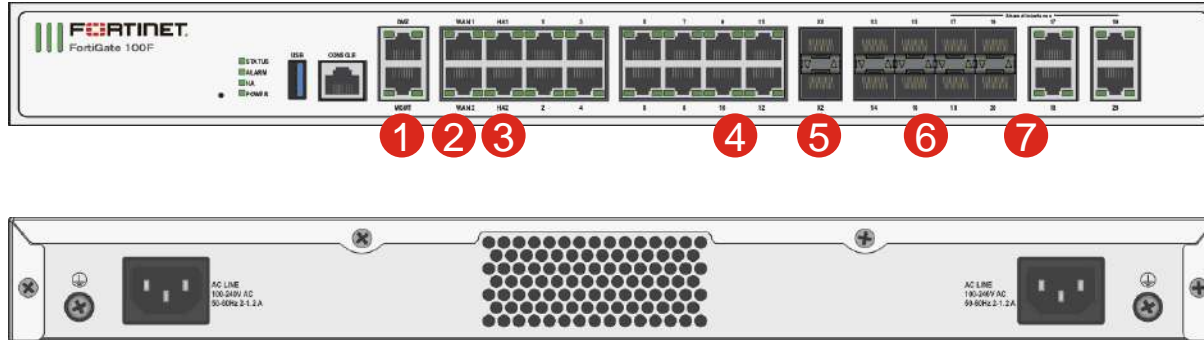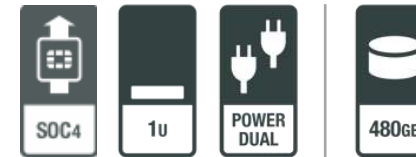Concurrent Sessions

1.6 Gbps
NGFW Throughput

1 Gbps
SSL Inspection Throughput

1 Gbps
Threat Protection Throughput

5,000 | 128 | 32

FortiGate 240D

① 2x GE RJ45 WAN Ports
② 40x GE RJ45 Switch Ports
③ 2x GE SFP Slots

NP4 LITE | **CP8** | **1U** | **64GB** | **1GE** | **RPS**

4 Gbps
Firewall throughput

2 Million
Concurrent Sessions

77,000
New Sessions/Sec

420 Mbps
IPS Throughput

330 Mbps
NGFW Throughput

310 Mbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

5,000 | 128 | 24

FortiGate 200/201E
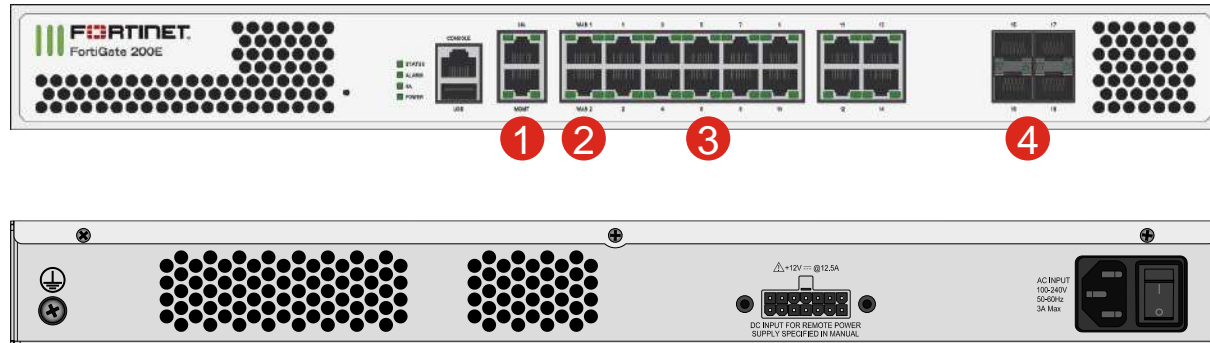
① 2 x GE RJ45 MGMT/HA Ports
② 2 x GE RJ45 WAN Ports
③ 14 x GE RJ45 DMZ Port
④ 4 x GE SFP Slots

NP6 LITE | CP9 | 1U | RPS | 480GB

20 Gbps
Firewall throughput

2.2 Gbps
IPS Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

135,000
New Sessions/Sec

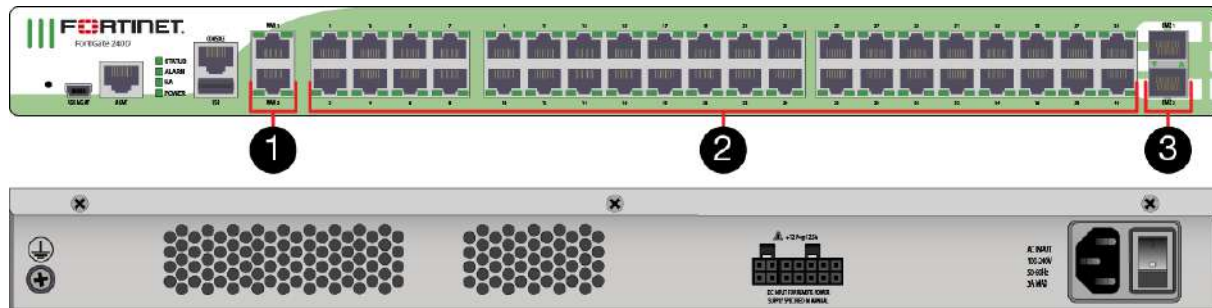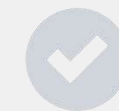**2 Million**
Concurrent Sessions

1.8 Gbps
NGFW Throughput

820 Mbps
SSL Inspection Throughput

1.2 Gbps
Threat Protection Throughput

5,000

256

64

FortiGate 200/201F

① 2 x GE RJ45 MGMT/HA Ports
② 16 x GE RJ45 Ports
③ 2 x 10GE SFP+ Slots
④ 2 x 10GE SFP+ FortiLink Slots
⑤ 8 x GE SFP Slots

NP6X Lite   CP9   1U   TPM   AC DUAL   480GB

27 Gbps
Firewall throughput

280,000
New Sessions/Sec

3 Million
Concurrent Sessions

4 Gbps
SSL Inspection Throughput

5 Gbps
IPS Throughput

3.5 Gbps
NGFW Throughput

3 Gbps
Threat Protection Throughput

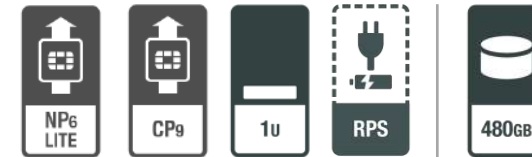**Enterprise Branch / Mid Enterprise**
NGFW / Secure SD-WAN

38460   5,000   256   64

FortiGate 300/301E

① 2 x GE RJ45 MGMT/HA Ports
② 16 x GE RJ45 Ports
③ 16 x GE SFP Slots

NP6 | CP9 | 1U | AC DUAL | 480GB

32 Gbps
Firewall throughput

300,000
New Sessions/Sec

4 Million
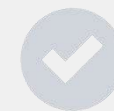Concurrent Sessions

3.9 Gbps
SSL Inspection Throughput
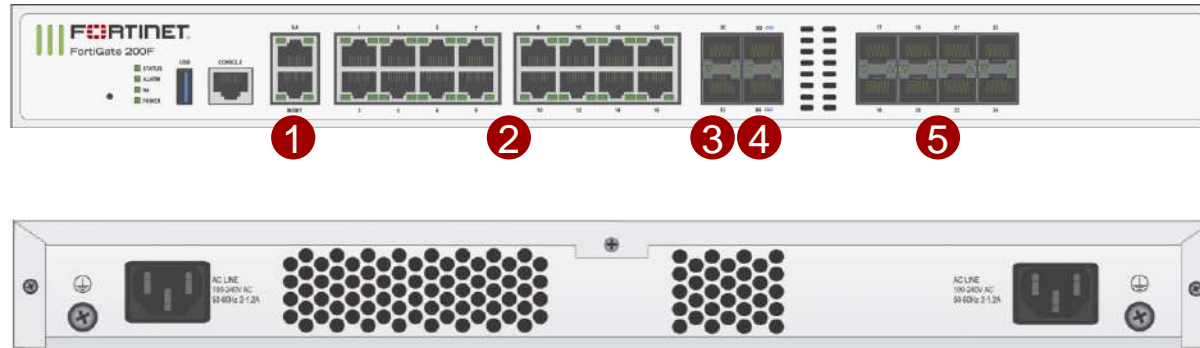
5 Gbps
IPS Throughput

3.5 Gbps
NGFW Throughput

3 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

38469   5,000   512   72

FortiGate 400E and 401E/-DC
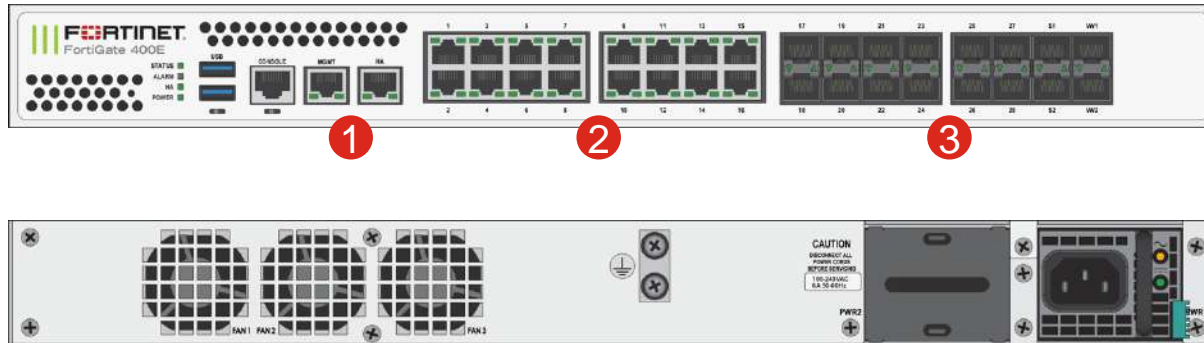
① 2 x GE RJ45 MGMT/HA Ports
② 16 x GE RJ45 Ports
③ 16 x GE SFP Slots

32 Gbps
Firewall throughput

450,000
New Sessions/Sec

4 Million
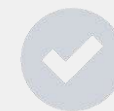Concurrent Sessions
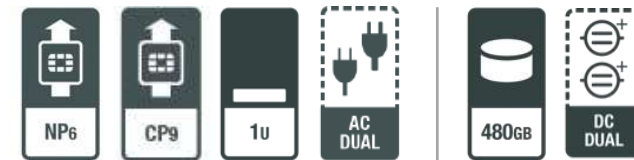
4.8 Gbps
SSL Inspection Throughput

7.8 Gbps
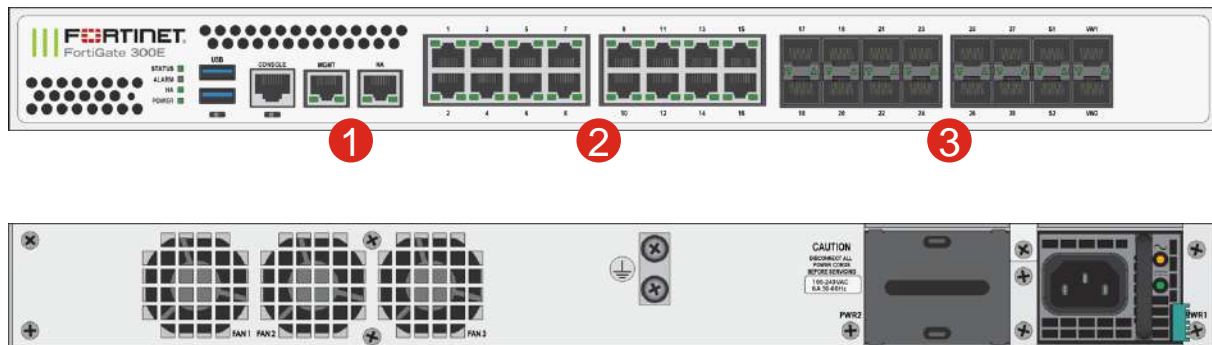IPS Throughput

6 Gbps
NGFW Throughput

5 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

5,000   512   72

FortiGate 500/501E
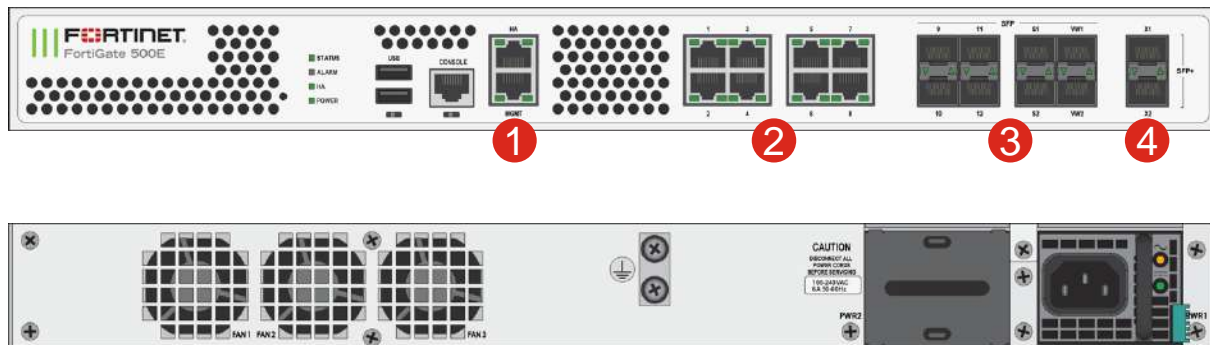
① 2 x GE RJ45 MGMT/HA Ports
② 8 x GE RJ45 Ports
③ 8 x GE SFP Slots
④ 2x 10GE SFP+ Slots
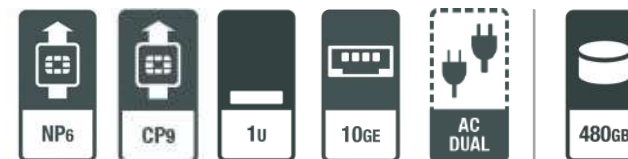
NP6   CP9   1U   10GE   AC DUAL   480GB

36 Gbps
Firewall throughput

300,000
New Sessions/Sec

8 Million
Concurrent Sessions

5.7 Gbps
SSL Inspection Throughput

5.2 Gbps
IPS Throughput

5 Gbps
NGFW Throughput

4.7 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN

5,000   512   72

FortiGate 600/601E
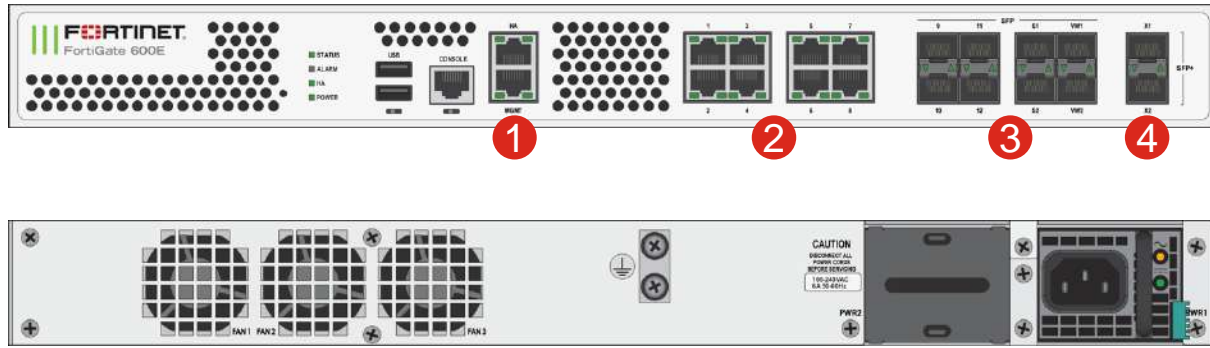
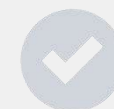① 2 x GE RJ45 MGMT/HA Ports
② 8 x GE RJ45 Ports
③ 8 x GE SFP Slots
④ 2x 10GE SFP+ Slots

NP6　CP9　1U　10GE　AC DUAL　480GB

36 Gbps
Firewall throughput

450,000
New Sessions/Sec

8 Million
Concurrent Sessions
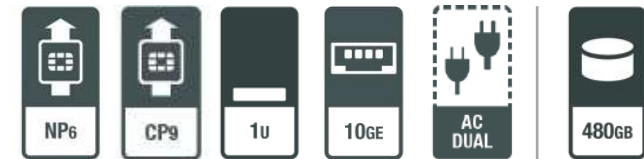
8.0 Gbps
SSL Inspection Throughput

10 Gbps
IPS Throughput

9.5 Gbps
NGFW Throughput

7 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG

38460　5,000　1,024　96
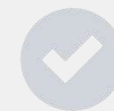
FortiGate 800D
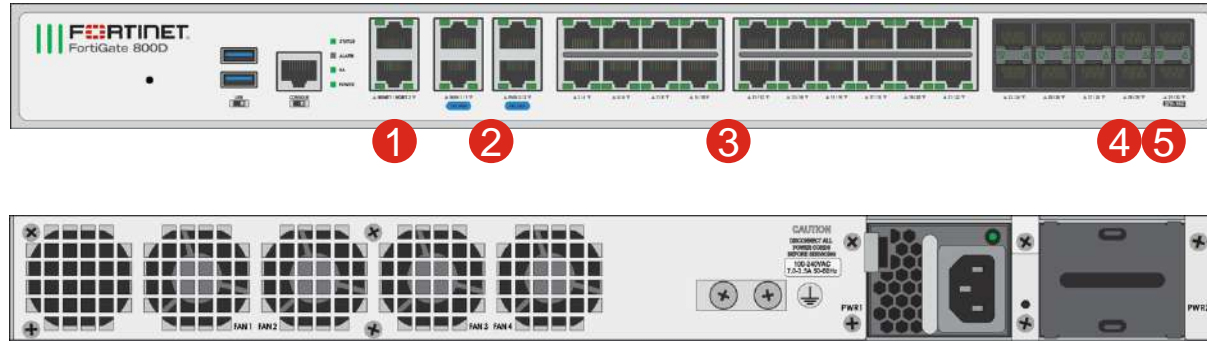
①	2x GE RJ45 Management Ports
②	2x Bypass GE RJ45 Pairs
③	20x GE RJ45 Ports
④	8x GE SPF Slots
⑤	2x 10GE SPF+ Slots
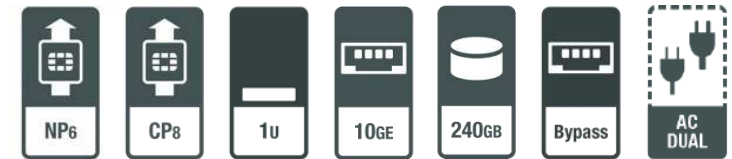
NP6   CP8   1U   10GE   240GB   Bypass   AC DUAL

36 Gbps
Firewall throughput

280,000
New Sessions/Sec

5 Million
Concurrent Sessions

3.9 Gbps
SSL Inspection Throughput
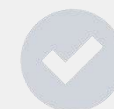
4.2 Gbps
IPS Throughput

4 Gbps
NGFW Throughput

3 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG

38460   5,000   1,024   64

FortiGate 900D

①   2x GE RJ45 Management Ports
②   16x GE SFP Slots
③   16x GE RJ45 Ports
④   2x 10GE SPF+ Slots

NP6   CP8   1U   10GE   256GB   POWER DUAL   NP Direct
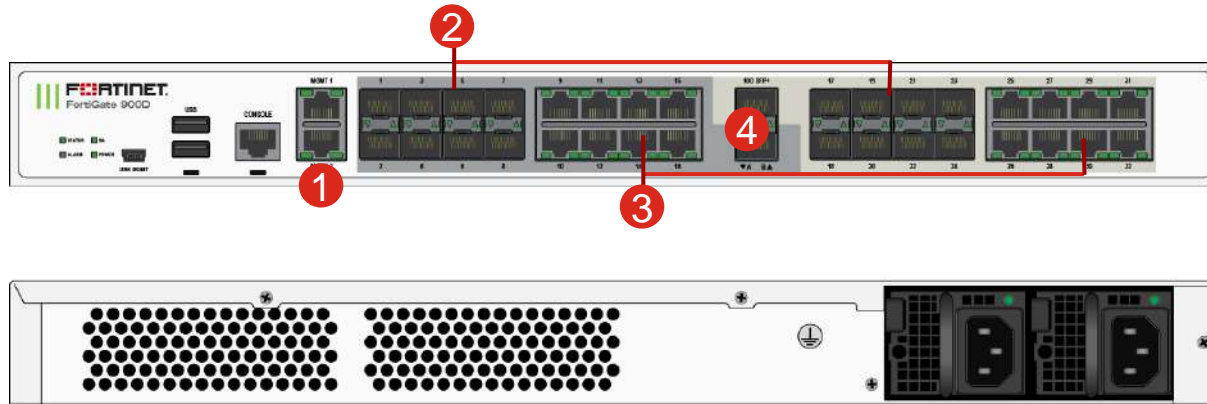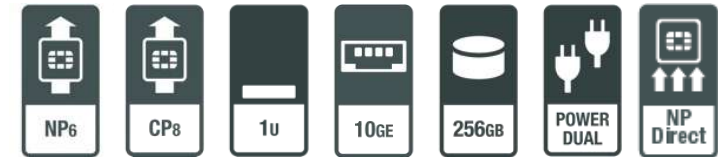
52 Gbps
Firewall throughput

280,000
New Sessions/Sec

11 Million
Concurrent Sessions

3.9 Gbps
SSL Inspection Throughput
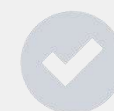
4.2 Gbps
IPS Throughput

4 Gbps
NGFW Throughput

3 Gbps
Threat Protection Throughput

Enterprise Branch / Mid Enterprise
NGFW / Secure SD-WAN / IPS / SWG

5,000   1,024   64
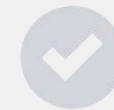
FortiGate High End Series - Overview

Data Center Firewall / Large Enterprise NGFW with High Speed Interfaces
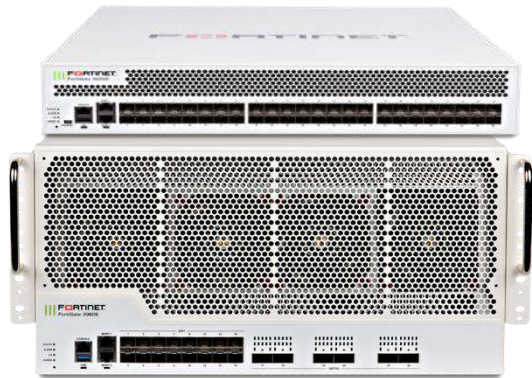
- **FG-3000D/E Series**
- **FG-2000E Series**
- **FG-1000D/E/F Series**

NGFW, IPS

Segmentation

SWG

Mobile Security

52 Gbps – 320 Gbps
Firewall throughput

5 Gbps – 40 Gbps
NGFW Throughput

6 Gbps – 55 Gbps
IPS Throughput

3 Gbps – 30 Gbps
Threat Protection Throughput

GE RJ45 | GE SFP
10GE SFP+
25GE SFP28
40GE QSFP+
100GE QSFP28

FortiGate High End Series: Comparison

	FG-1000D	FG-1100E	FG-1200D	FG-1500D	FG-1800F	FG-2000E
Firewall (1518/512/64 byte UDP)	52 / 52 / 33 Gbps	80 / 80 / 45 Gbps	72 / 72 / 55 Gbps	80 / 80 / 55 Gbps	198 / 197 / 140Gbps	90 / 90 / 60 Gbps
Concurrent Sessions	11 Mil	8 Mil	11 Mil	12 Mil	12 Mil	20 Mil
New Sessions/Sec	280,000	500,000	290,000	300,000	750,000	500,000
IPSec VPN	25 Gbps	48 Gbps	48 Gbps	50 Gbps	55 Gbps	65 Gbps
IPS (Ent. Mix)	6 Gbps	12.5 Gbps	6.8 Gbps	13 Gbps	13 Gbps	11.5 Gbps
NGFW (Ent. Mix)	5 Gbps	9.8 Gbps	6 Gbps	7 Gbps	11 Gbps	9 Gbps
Threat Protection (Ent. Mix)	3 Gbps	7.1 Gbps	4 Gbps	5 Gbps	9.1 Gbps	5.4 Gbps
Interfaces	2x 10GE SPF+ , 16x GE SFP, 18x GE RJ45,	2x 40GE QSFP+, 4x 25 GE SFP28, 4x 10 GE SFP+, 8x GE SFP, 18x GE RJ45	4x 10GE SPF/+, 16x GE SFP, 18x GE RJ45	8x 10GE SPF/+, 16x GE SFP, 18x GE RJ45	4x 40GE QSFP+, 12x 25 GE SFP28, 2x 10GE SFP+, 8x GE SFP, 18x GE RJ45	6x 10GE SPF+, 34x GE RJ45
Storage	256 GB	2x 480 GB (1101E)	240 GB	480 GB		480 GB
Variants	-	-	-	10 GE RJ45	DC	-

FortiGate High End Series II: Comparison

	FG-2200E	FG-2500E	FG-2600F	FG-3000D/3100D	FG-3200D	FG-3300E
Firewall (1518/512/64 byte UDP)	158 / 155 / 100 Gbps	150 / 150 / 95 Gbps	198 / 196 / 120 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	160 / 158 / 100 Gbps
Concurrent Sessions	24 Mil	20 Mil	24 Mil	50 Mil	50 Mil	50 Million
New Sessions/Sec	500,000	500,000	1 Mil	400,000	400,000	700,000
IPSec VPN	98 Gbps	65 Gbps	55 Gbps	50 Gbps	50 Gbps	98 Gbps
IPS (Ent. Mix)	16.5 Gbps	11.5 Gbps	24 Gbps	22 Gbps	26 Gbps	27 Gbps
NGFW (Ent. Mix)	13.5 Gbps	9 Gbps	19 Gbps	18 Gbps	24 Gbps	23 Gbps
Threat Protection (Ent. Mix)	11 Gbps	5.4 Gbps	17 Gbps	13 Gbps	15 Gbps	17 Gbps
Interfaces	4x 40GE QSFP+, 20x 25 GE SFP28, 14x GE RJ45	2x 10GE Bypass SFP+,10x 10GE SPF+, 34x GE RJ45	4x 100GE QSFP28, 16x 25GE SFP28, 16x 10GE RJ45, 2x 10GE SFP+, 2x GE RJ45	16/32x 10GE SFP+, 2x GE RJ45	48x 10GE SFP+, 2x GE RJ45	4x 40GE QSFP+, 16x 25 GE SFP28, 4x 10GE RJ45, 14x GE RJ45
Storage	2x 1TB (2201E)	480 GB	2x 1TB (2601F)	480 GB	960 GB	2x 1TB (3301E)
Variants	-	-	-	-	-	-

FortiGate High End Series III: Comparison

	FG-3400E	FG-3600E	FG-3960E	FG-3980E	FG-4200F	FG-4400F
Firewall (1518/512/64 byte UDP)	240 / 238 /150 Gbps	240 / 240 /150 Gbps	620 / 610 / 370 Gbps	1.05 Tbps / 1.05 Tbps / 680 Gbps	800 / 788 / 400 Gbps	1,1500 / 1,140 / 500 Gbps
Concurrent Sessions	50 Mil	50 Mil	160 Million	160 Million	210 Million 450 Million*	210 Million 700 Million*
New Sessions/Sec	850,000	950,000	720,000	800,000	1 Million 7 Million*	1 Million 10 Million*
IPSec VPN	140 Gbps	140 Gbps	280 Gbps	400 Gbps	210 Gbps	310 Gbps
IPS (Ent. Mix)	44 Gbps	55 Gbps	30 Gbps	32 Gbps	52 Gbps	94 Gbps
NGFW (Ent. Mix)	34 Gbps	40 Gbps	22 Gbps	28 Gbps	47 Gbps	82 Gbps
Threat Protection (Ent. Mix)	25 Gbps	30 Gbps	13.5 Gbps	20 Gbps	45 Gbps	75 Gbps
Interfaces	4x 100GE QSFP28 , 24x 25GE SFP28, 2x GE RJ45	6x 100GE QSFP28 , 32x 25GE SFP28, 2x GE RJ45	6x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	10x 100GE QSFP28, 16x 10GE SFP+, 2x GE RJ45	8x 100GE QSFP28 , 18x 25GE SFP28, 2x GE RJ45	12x 100GE QSFP28 , 18x 25GE SFP28, 2x GE RJ45
Storage	2x 2TB (3401E)	2x 2TB (3601E)	-	-	2x 2TB (4201F)	2x 2TB (4401F)
Variants	DC	-	DC	DC	DC	-

* req. HyperScale License

FortiGate 1000D
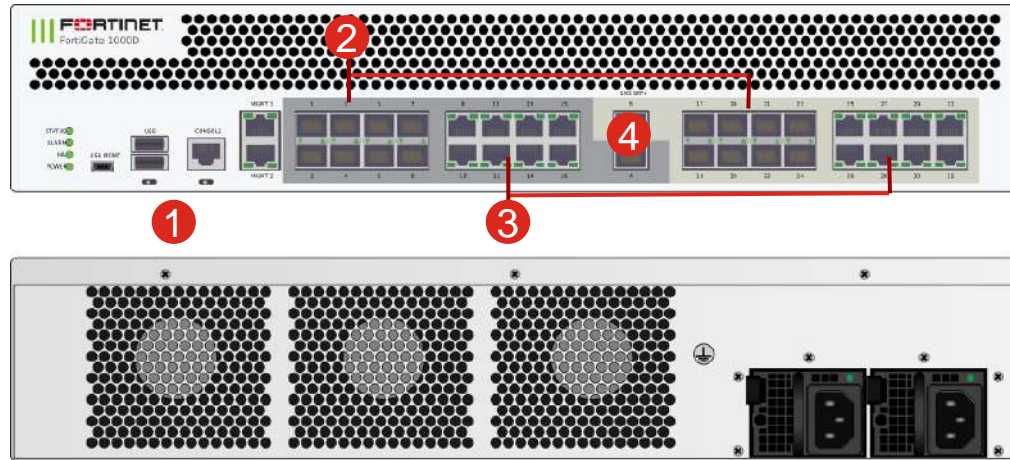
①	2x GE RJ45 Management Ports
②	16x GE SFP Slots
③	16x GE RJ45 Ports
④	2x 10GE SPF+ Slots

NP6 | CP8 | 2U | 10GE | 256GB | POWER DUAL | NP Direct
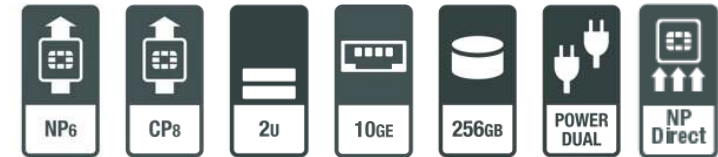
55 Gbps
Firewall throughput

280,000
New Sessions/Sec

11 Million
Concurrent Sessions

5.0 Gbps
SSL Inspection Throughput

6 Gbps
IPS Throughput

5 Gbps
NGFW Throughput

3 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000 | 4,096 | 128

FortiGate 1100E/-DC and 1101E

①	2 x GE RJ45 MGMT/HA Ports
②	16 x GE RJ45 Ports
③	8 x GE SFP Slots
④	4 x 10GE SFP+ Slots
⑤	4 x 25GE SFP28/10GE SFP+ Slots
⑥	2 x 40GE QSFP+ Slots

NP6 CP9 2U 40GE 25GE AC DUAL 960GB DC DUAL

80 Gbps
Firewall throughput

500,000
New Sessions/Sec

8 Million
Concurrent Sessions
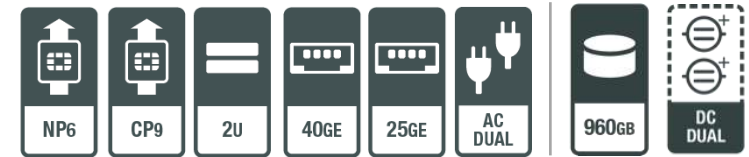
10 Gbps
SSL Inspection Throughput

12.5 Gbps
IPS Throughput

9.8 Gbps
NGFW Throughput

7.1 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   196

FortiGate 1200D
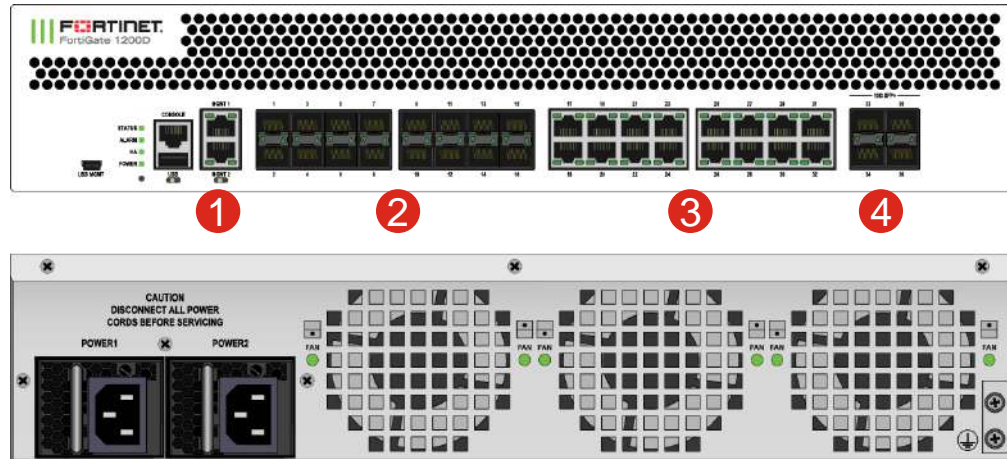
① 2x GE RJ45 Management Ports
② 16x GE SFP Slots
③ 16x GE RJ45 Ports
④ 4x 10GE SPF/+ Slots

| NP6 | CP8 | 2U | 10GE | 240GB | POWER DUAL |
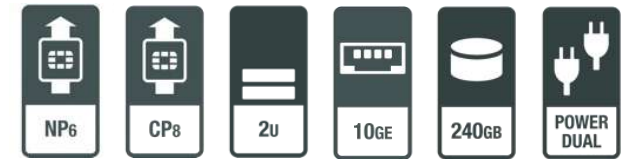
72 Gbps
Firewall throughput

290,000
New Sessions/Sec

11 Million
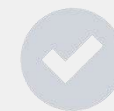Concurrent Sessions

5.0 Gbps
SSL Inspection Throughput

6.8 Gbps
IPS Throughput

6 Gbps
NGFW Throughput
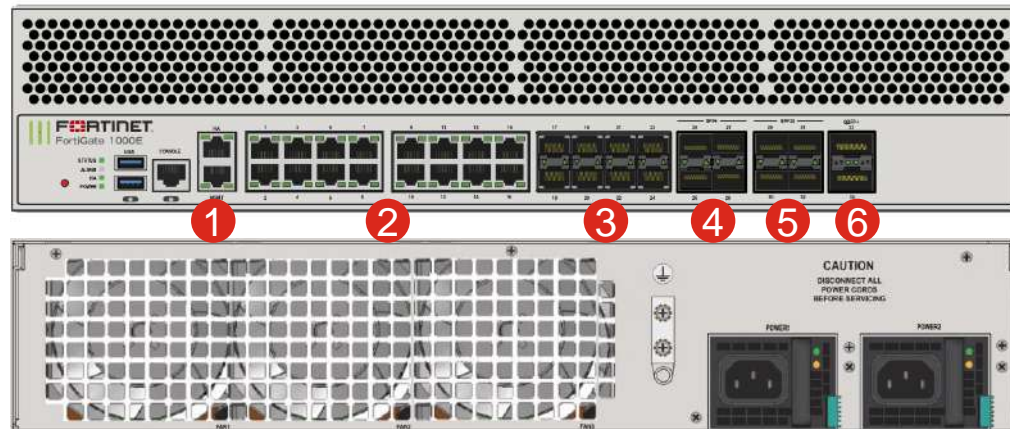
4 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

38460 **20,000**
4,096
128

FortiGate 1500D

① 2x GE RJ45 Management Ports
② 16x GE SFP Slots
③ 16x GE RJ45 Ports
④ 8x 10GE SPF/+ Slots

NP6 | CP8 | 2U | 10GE | 480GB | POWER DUAL

80 Gbps
Firewall throughput

300,000
New Sessions/Sec

12 Million
Concurrent Sessions

5.7 Gbps
SSL Inspection Throughput

13 Gbps
IPS Throughput

7 Gbps
NGFW Throughput

5 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000 | 4,096 | 128

FortiGate 1500DT

① 2x GE RJ45 Management Ports
② 16x GE SFP Slots
③ 16x GE RJ45 Ports
④ 4x 10GE RJ45 Ports
⑤ 4x 10GE SPF/+ Slots

| NP6 | CP8 | 2U | 10GE | 480GB | POWER DUAL |

80 Gbps
Firewall throughput

300,000
New Sessions/Sec

12 Million
Concurrent Sessions

5.7 Gbps
SSL Inspection Throughput

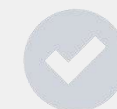**13 Gbps**
IPS Throughput
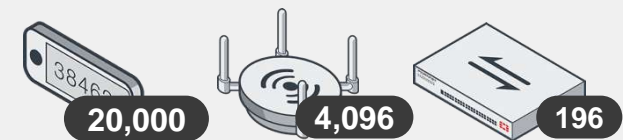
7 Gbps
NGFW Throughput

5 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   128

FortiGate 1800/1801F/-DC

① 2 x GE RJ45 MGMT Ports
② 2 x 10GE RJ45 HA SFP+ Slots
③ 16 x GE RJ45 Ports
④ 8 x GE SFP Slots
⑤ 12 x 25GE SFP28/10GE SFP+ Slots
⑥ 4 x 40GE QSFP+ Slots

| NP7 | CP9 | 2U | 40GE | 25GE | AC DUAL | 2TB | DC DUAL |
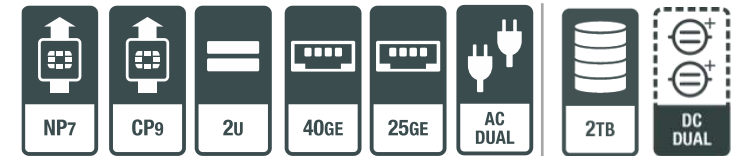
198 Gbps
Firewall throughput

750,000
New Sessions/Sec

12 Million
Concurrent Sessions

17 Gbps
SSL Inspection Throughput

13 Gbps
IPS Throughput

11 Gbps
NGFW Throughput

9.1 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   196

FortiGate 2000E

① 2x GE RJ45 Management Ports
② 32x GE RJ45 Ports
③ 6x 10GE SFP+ Slots

| NP6 | CP9 | 2U | 10GE | 480GB | POWER DUAL | NP Direct |

90 Gbps
Firewall throughput

500,000
New Sessions/Sec

20 Million
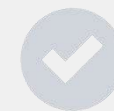Concurrent Sessions

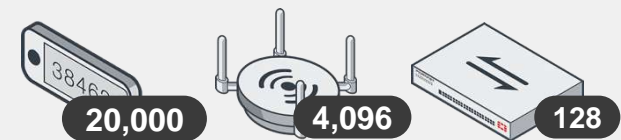**11.5 Gbps**
IPS Throughput

9 Gbps
NGFW Throughput

9.4 Gbps
SSL Inspection Throughput

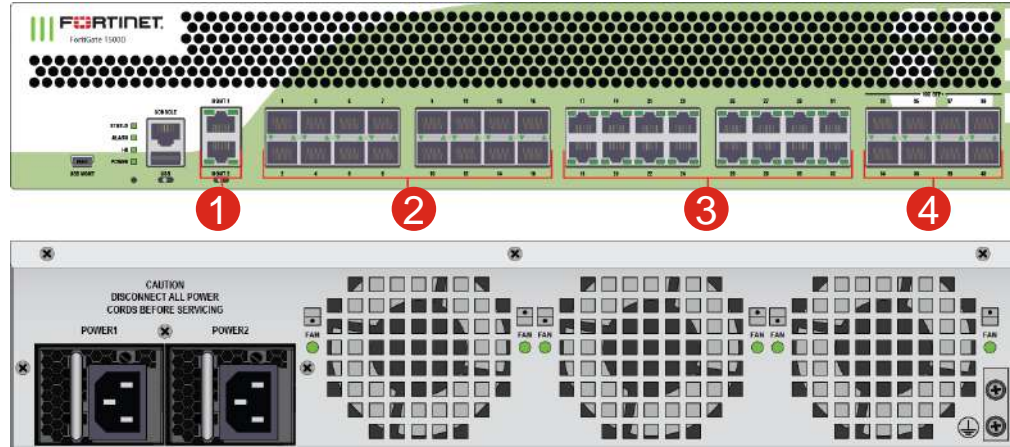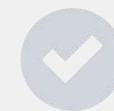**5.4 Gbps**
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   196

FortiGate 2200/2201E

① 2 x GE RJ45 MGMT Ports
② 12 x GE RJ45 Ports
③ 18 x 25GE SFP28/10GE SFP+ Slots
④ 2 x 25GE SFP28/10GE SFP+ HA Slots
⑤ 4 x 40GE QSFP+ Slots

NP6	CP9	2U	40GE	25GE	AC DUAL	2TB
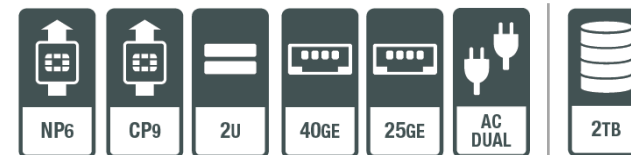
158 Gbps
Firewall throughput

500,000
New Sessions/Sec

24 Million
Concurrent Sessions

17 Gbps
SSL Inspection Throughput

16.5 Gbps
IPS Throughput

13.5 Gbps
NGFW Throughput

11 Gbps
Threat Protection Throughput
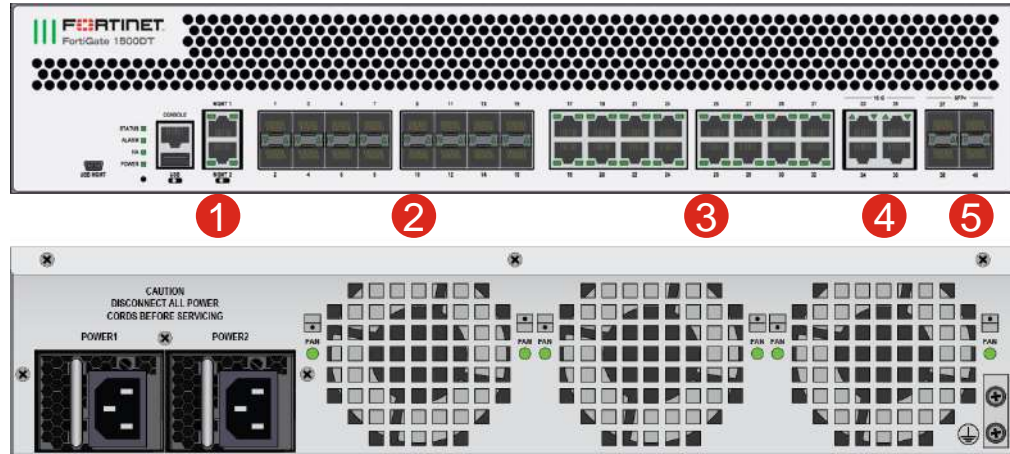
Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   196

FortiGate 2500E
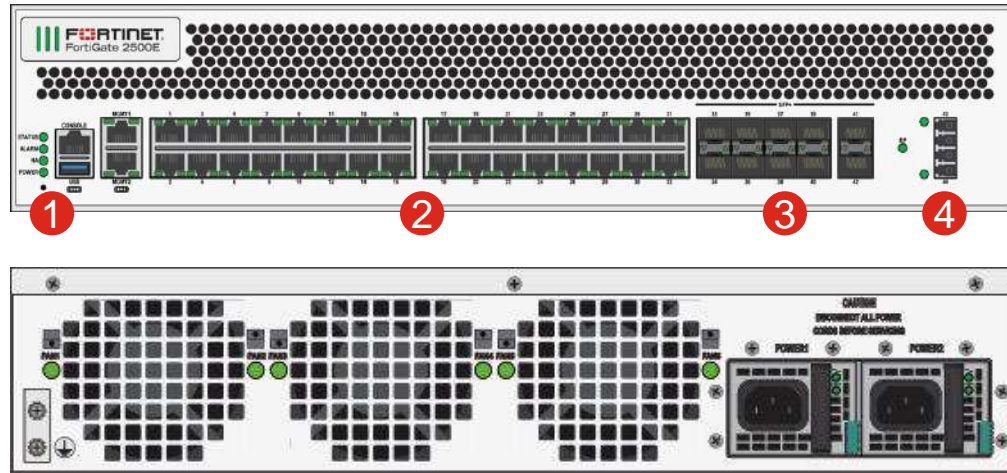
① 2x GE RJ45 Management Ports
② 32x GE RJ45 Ports
③ 10x 10GE SFP+ Slots
④ 2x 10GE SFP+ SR Bypass (LC Connector)

NP6 | CP9 | 2U | 10GE | Bypass | 480GB | POWER DUAL | NP Direct
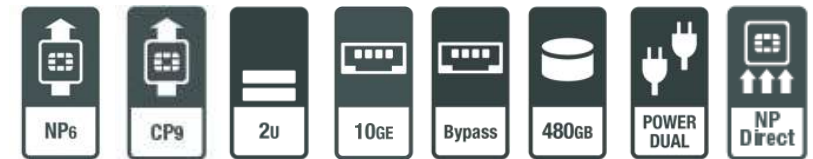
150 Gbps
Firewall throughput

500,000
New Sessions/Sec

20 Million
Concurrent Sessions

9.4 Gbps
SSL Inspection Throughput

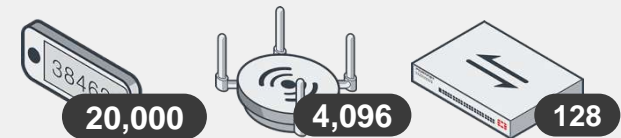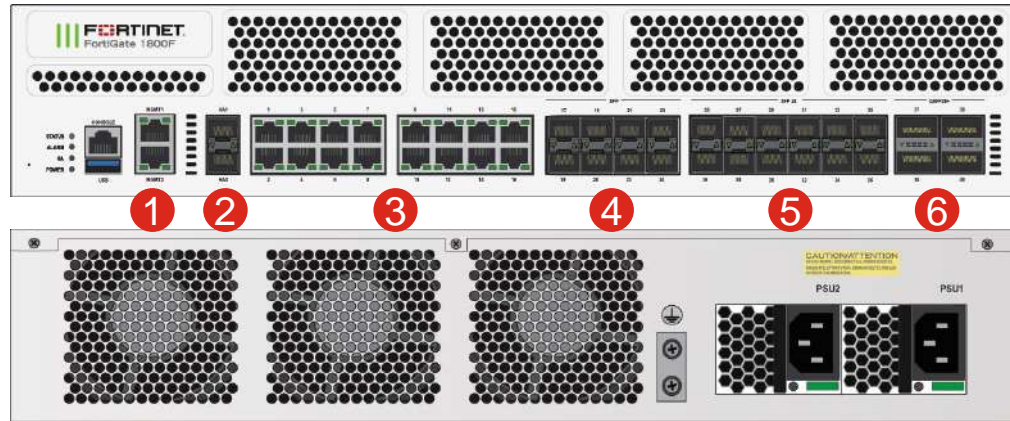**11.5 Gbps**
IPS Throughput

9 Gbps
NGFW Throughput

5.4 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000 | 4,096 | 196

FortiGate 2600/2601F

① 2 x GE RJ45 MGMT Ports
② 2 x 10GE SFP+/GE SFP Slots
③ 16 x 10GE RJ45 Ports
④ 16 x 25GE SFP28/10GE SFP+/GE SFP Slots
⑤ 4 x 100GE QSFP28 / 40GE QSFP+ Slots

NP7	CP9	2U	TPM	100GE	25GE	AC DUAL	2TB

198 Gbps
Firewall throughput

1 Million
New Sessions/Sec

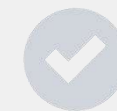**24 Million**
Concurrent Sessions
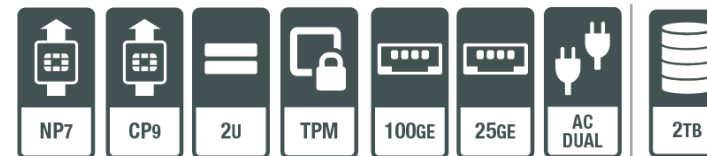
20 Gbps
SSL Inspection Throughput

24 Gbps
IPS Throughput

19 Gbps
NGFW Throughput

17 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   196

FortiGate 3000D

① 2x GE RJ45 Management Ports
② 16x 10G SFP+/GE SFP Slots

| NP6 | CP8 | 2U | 10GE | 480GB | POWER DUAL | Forti Carrier |

80 Gbps
Firewall throughput

400,000
New Sessions/Sec

50 Million
Concurrent Sessions

15 Gbps
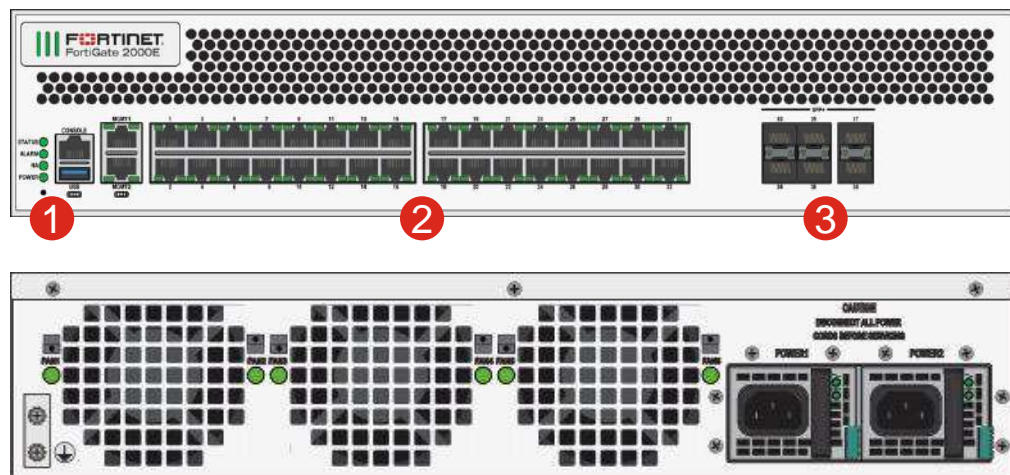SSL Inspection Throughput

23 Gbps
IPS Throughput

22 Gbps
NGFW Throughput

13 Gbps
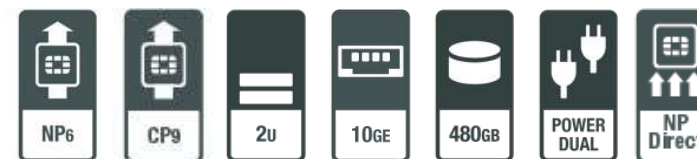Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

FortiGate 3100D

① 2x GE RJ45 Management Ports
② 32x 10G SFP+/GE SFP Slots
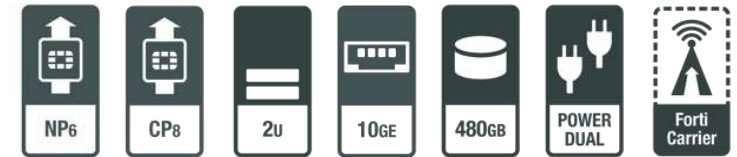
NP6 · CP8 · 2U · 10GE · 480GB · POWER DUAL · Forti Carrier

80 Gbps
Firewall throughput

400,000
New Sessions/Sec

50 Million
Concurrent Sessions

16 Gbps
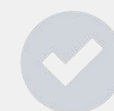SSL Inspection Throughput

22 Gbps
IPS Throughput

18 Gbps
NGFW Throughput

13 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
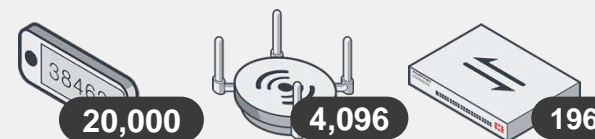NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

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FortiGate 3200D
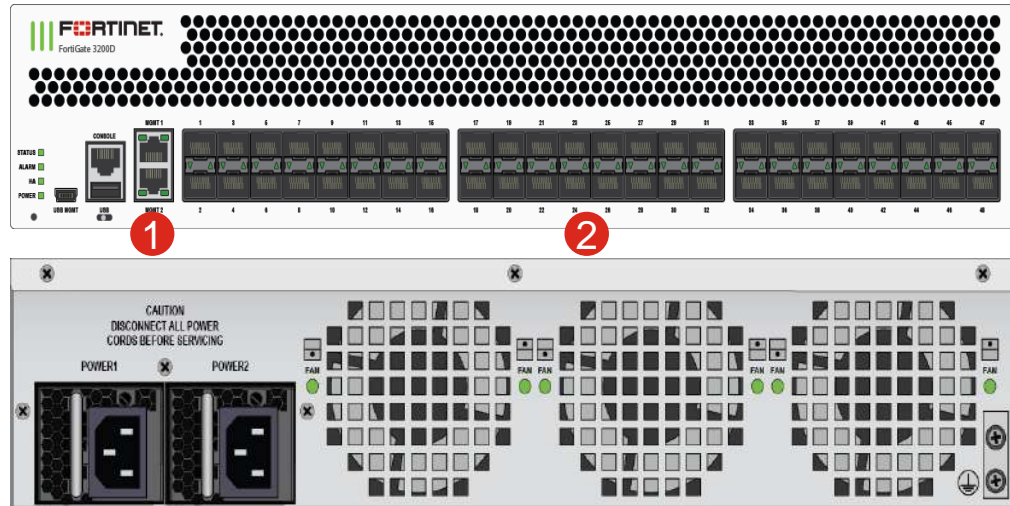
① 2x GE RJ45 Management Ports
② 48x 10G SFP+/GE SFP Slots
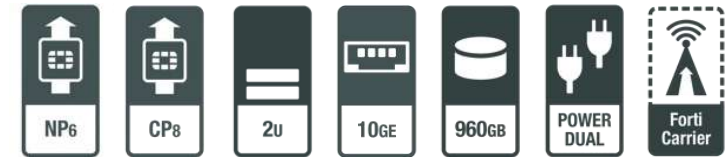
| NP6 | CP8 | 2U | 10GE | 960GB | POWER DUAL | Forti Carrier |

80 Gbps
Firewall throughput

400,000
New Sessions/Sec

50 Million
Concurrent Sessions

17 Gbps
SSL Inspection Throughput

26 Gbps
IPS Throughput

24 Gbps
NGFW Throughput

15 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
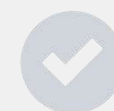NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

65

FortiGate 3300/3301E

① 2 x GE RJ45 MGMT/HA Ports
② 12 x GE RJ45 Ports
③ 4 x 10GE RJ45 Ports
④ 14 x 25GE SFP28/10GE SFP+ Slots
⑤ 2 x 25GE SFP28/10GE SFP+ HA Slots
⑥ 4x 40GE QSFP+ Slots

NP6 | CP9 | 2U | 40GE | 25GE | AC DUAL | 2TB
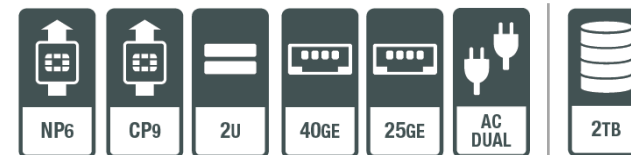
160 Gbps
Firewall throughput

27 Gbps
IPS Throughput

700,000
New Sessions/Sec

50 Million
Concurrent Sessions

23 Gbps
NGFW Throughput

21 Gbps
SSL Inspection Throughput

17 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

FortiGate 3400/3401E/-DC

① 2x GE RJ45 Management Ports
② 2x 10EG SFP+/GE HA SFP Slots
③ 22x 25EG SFP28/10GE SFP+/GE SFP Slots
④ 4x 100GE QSFP28 / 40GE QSFP+ Slots

NP6	CP9	2U	100GE	40GE	AC DUAL	Forti Carrier	4TB	DC DUAL

240 Gbps
Firewall throughput

850,000
New Sessions/Sec

50 Million
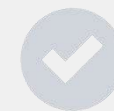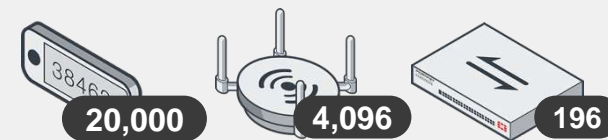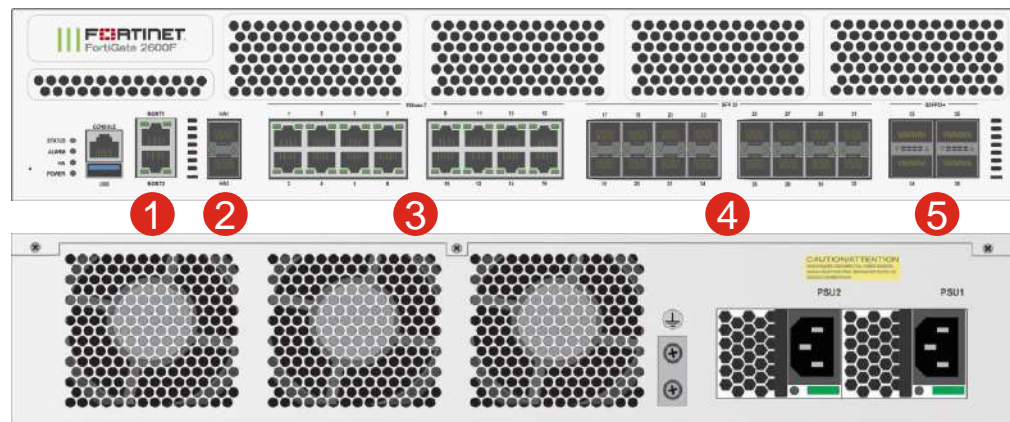Concurrent Sessions

30 Gbps
SSL Inspection Throughput

44 Gbps
IPS Throughput

34 Gbps
NGFW Throughput

25 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

FortiGate 3600E/-DC and 3601E

① 2x GE RJ45 Management Ports
② 2x 10GE SFP+/GE HA SFP Slots
③ 30x 25GE SFP28/10GE SFP+/GE SFP Slots
④ 6x 100GE QSFP28 / 40GE QSFP+ Slots

NP6 | CP9 | 2U | 100GE | 40GE | AC DUAL | Forti Carrier | 4TB | DC DUAL

240 Gbps
Firewall throughput

950,000
New Sessions/Sec

50 Million
Concurrent Sessions

34 Gbps
SSL Inspection Throughput

55 Gbps
IPS Throughput

40 Gbps
NGFW Throughput

30 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000 | 4,096 | 300

FortiGate 3700D/-DC
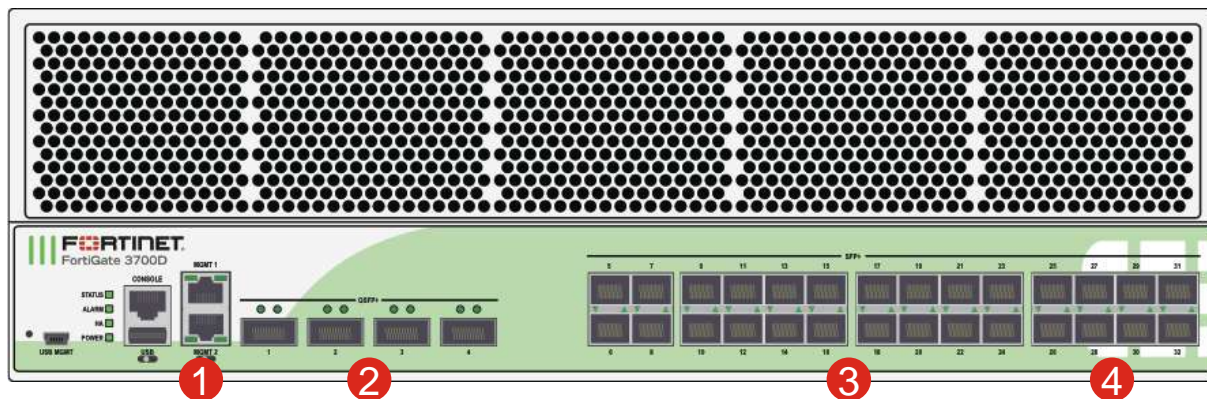
① 2 x GE RJ45 Management Ports
② 4 x 40GE QSFP Slots
③ 20 x 10GE SFP/+ Slots
④ 8 ultra-low latency 10GE SFP+ Slots

| NP6 | CP8 | 3U | 40GE | 4TB | POWER DUAL | DC DUAL | Forti Carrier | NEBS |

160 Gbps
Firewall throughput

480,000
New Sessions/Sec

50 Million
Concurrent Sessions

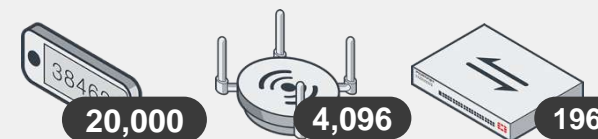**15.5 Gbps**
SSL Inspection Throughput

28 Gbps
IPS Throughput
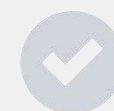
20 Gbps
NGFW Throughput

13 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

FortiGate 3800D/-DC

① 2 x GE RJ45 Management Ports
② 4 x 100GE CFP2 Slots
③ 4 x 40GE QSFP+ Slots
④ 8 x 10GE SFP+ Slots

| NP6 | CP8 | 3U | 40GE | 100GE | 960GB | POWER DUAL | DC DUAL | Forti Carrier |

320 Gbps
Firewall throughput

30 Gbps
IPS Throughput

480,000
New Sessions/Sec

95 Million
Concurrent Sessions

20 Gbps
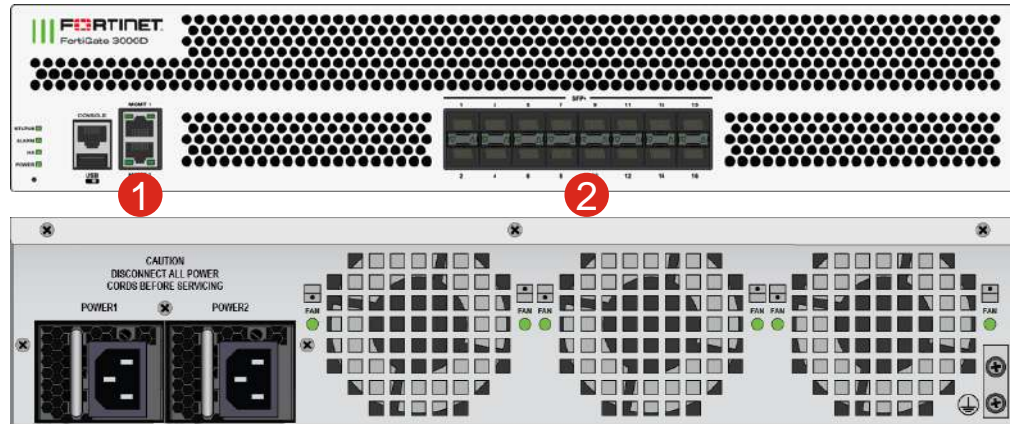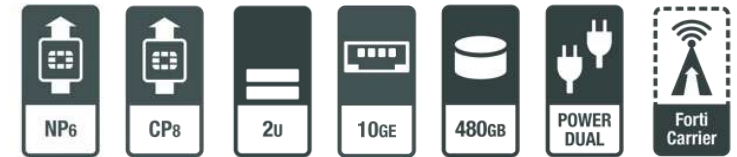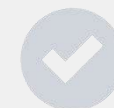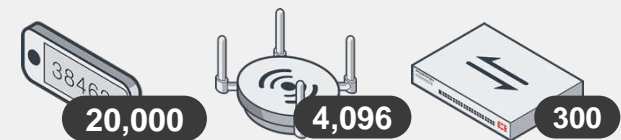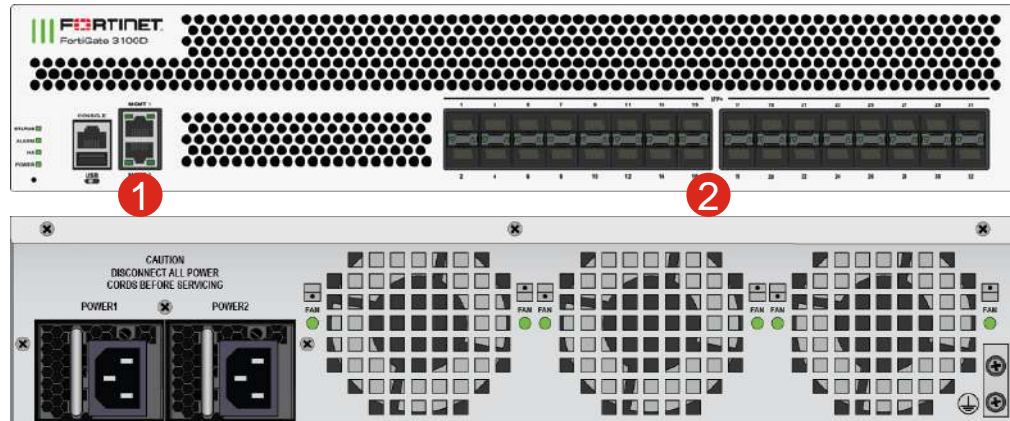NGFW Throughput

14.4 Gbps
SSL Inspection Throughput

13 Gbps
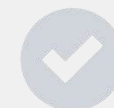Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300

FortiGate 3960E/-DC
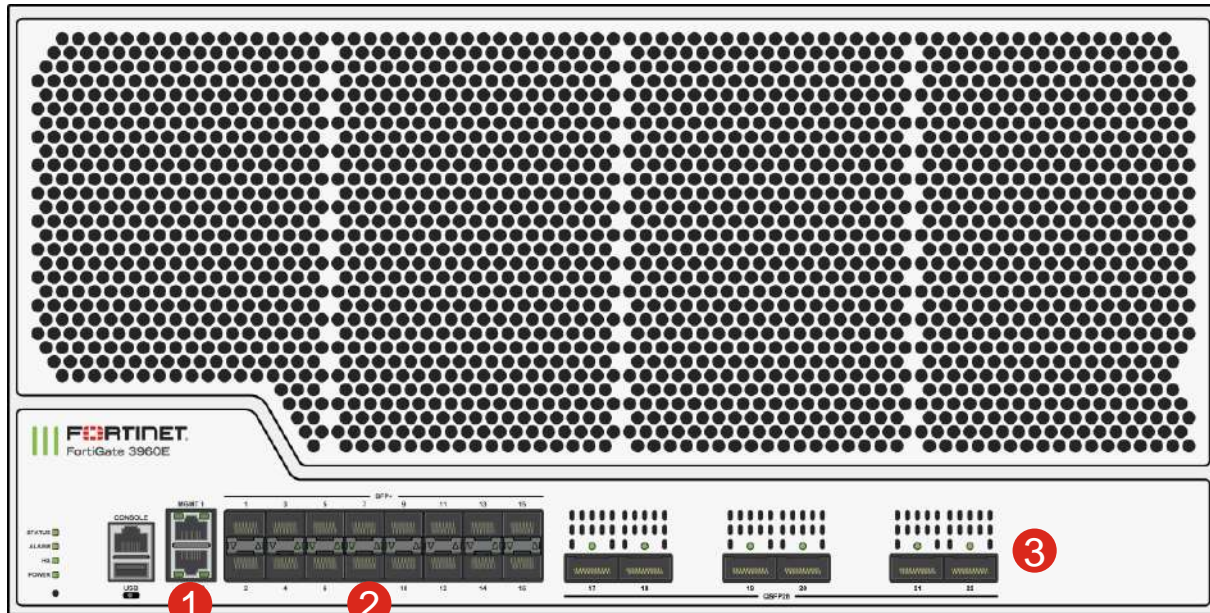
① 2 x GE RJ45 Management Ports
② 16 x GE/10GE SFP/SFP+ Slots
③ 6x 100GE QSFP28 Slots

| NP6 | CP9 | 5U | 100GE | Forti Carrier | POWER DUAL | DC DUAL |

620 Gbps
Firewall throughput

720,000
New Sessions/Sec

160 Million
Concurrent Sessions

23 Gbps
SSL Inspection Throughput

30 Gbps
IPS Throughput

22 Gbps
NGFW Throughput

13.5 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   8,192   300

FortiGate 3980E/-DC

① 2 x GE RJ45 Management Ports
② 16 x GE/10GE SFP/SFP+ Slots
③ 10x 100GE QSFP28 Slots

NP6 **CP9** **5U** **100GE** **Forti Carrier** **POWER DUAL** **DC DUAL**

1.06 Tbps
Firewall throughput

800,000
New Sessions/Sec

160 Million
Concurrent Sessions

26 Gbps
SSL Inspection Throughput

32 Gbps
IPS Throughput

28 Gbps
NGFW Throughput

20 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
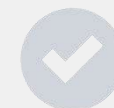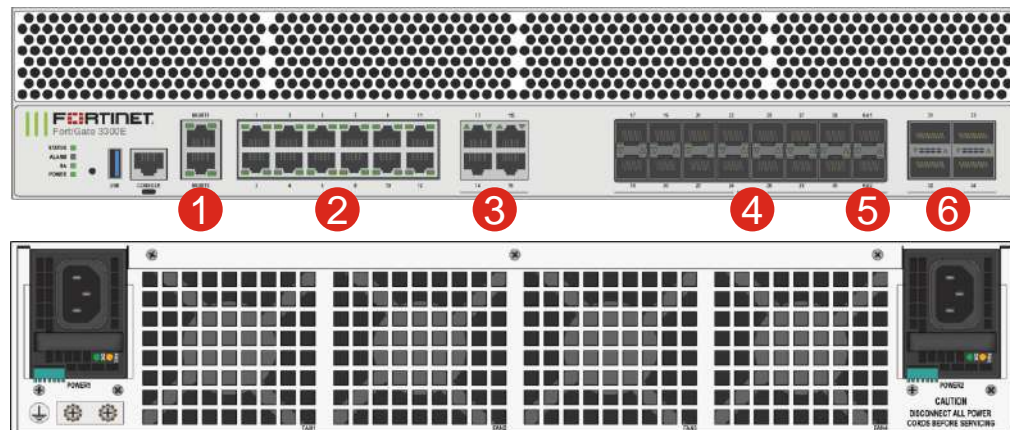NGFW / ISFW / IPS / SWG / Mobile Security

20,000 **8,192** **300**
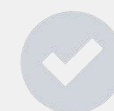
FortiGate 4200/4201F-DC
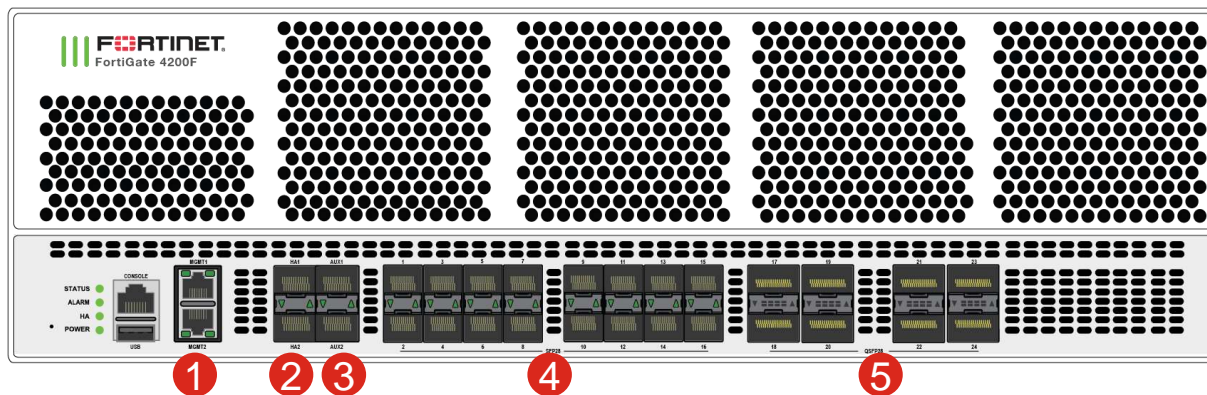
① 2 x GE RJ45 Management Ports
② 2 x 25GE SFP28/10GE SFP+/GE SFP HA Slots
③ 2 x 25GE SFP28/10GE SFP+/GE SFP AUX Slots
④ 16x 25GE SFP28/10GE SFP+/GE SFP Slots
⑤ 8x 100GE QSFP28 / 40GE QSFP+ Slots

| NP7 | CP9 | 3U | 100GE | 25GE | AC DUAL | DC DUAL | Hyper Scale | Forti Carrier | / | 4TB |
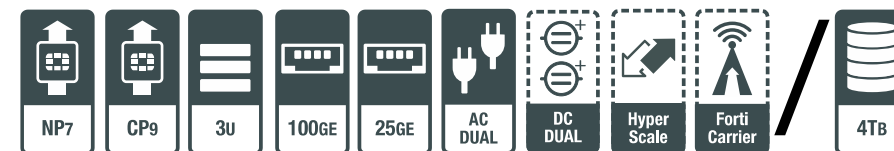
800 Gbps
Firewall throughput

52 Gbps
IPS Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / CGN / Mobile Security

1/7* Mil
New Sessions/Sec

210/450* Mil
Concurrent Sessions

47 Gbps
NGFW Throughput

50 Gbps
SSL Inspection Throughput

45 Gbps
Threat Protection Throughput

20,000   4,096   300

FortiGate 4400/4401F
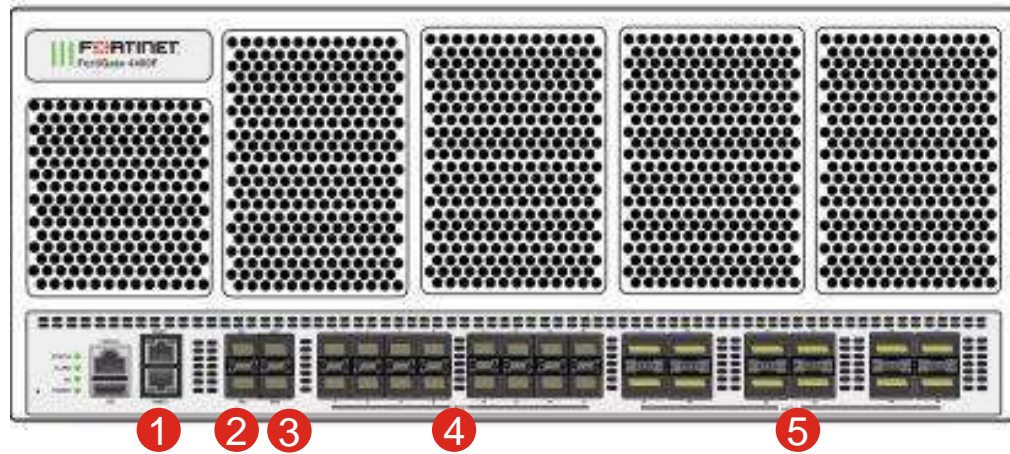
① 2 x GE RJ45 MGMT Ports
② 2 x 25GE SFP28/10GE SFP+/GE HA Slots
③ 2 x 25GE SFP28/10GE SFP+/GE AUX Slots
④ 16 x 25GE SFP28/10GE SFP+/GE Slots
⑤ 12 x 100 GE QSFP28 / 40 GE QSFP+ Slots

| NP7 | CP9 | 4U | 100GE | 25GE | 4x AC | Hyper Scale | Forti Carrier | 4TB |
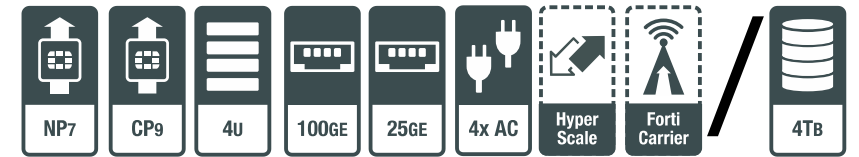
1.15 Tbps
Firewall throughput

1/10* Mil
New Sessions/Sec

210/700* Mil
Concurrent Sessions

86 Gbps
SSL Inspection Throughput
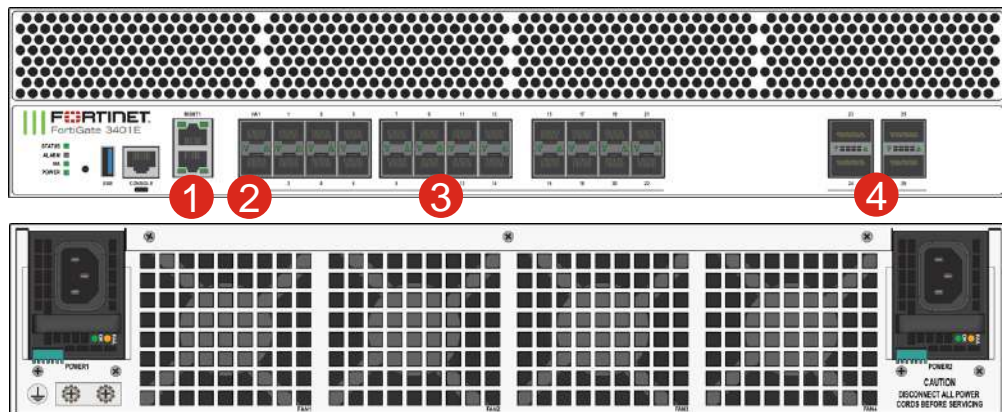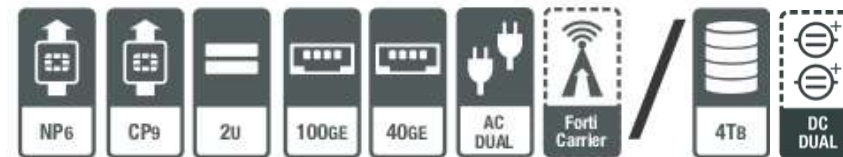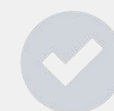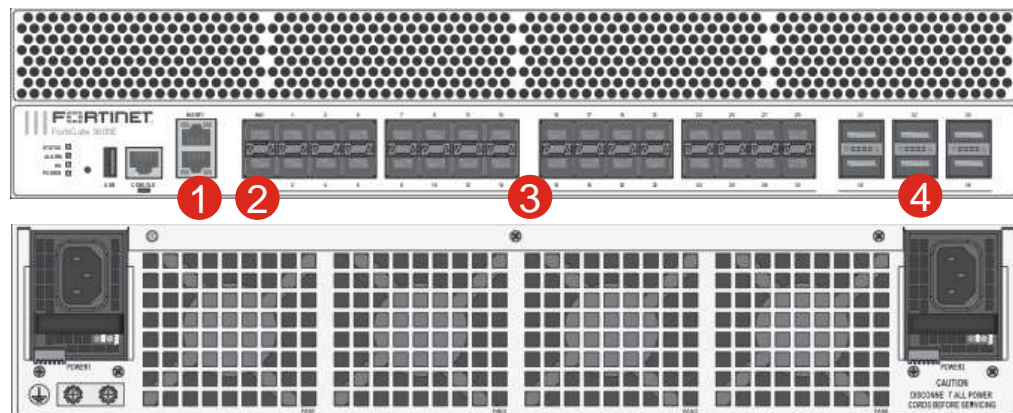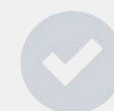
94 Gbps
IPS Throughput

82 Gbps
NGFW Throughput

75 Gbps
Threat Protection Throughput

Large Enterprise / Data Center / SP
NGFW / ISFW / IPS / SWG / Mobile Security

20,000   4,096   300
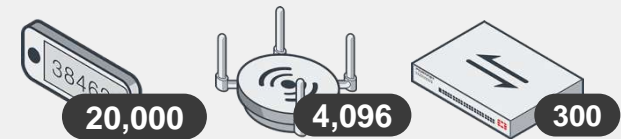
FortiGate 5000 Series

Security Appliances For Very Large Enterprises & Service Providers

FG-5144C with FG-5001E & FCTL-5903C

- **Chassis-based platforms offer maximum performance, reliability, and scalability for high-speed service provider, large enterprise or telecommunications carrier networks.**
- **Flexibility enables protection of complex, multi-tenant cloud-based security-as-a-service and infrastructure-as-a-service environments.**

Primary Benefits:

✓ Native 10GE support for high speed requirements

✓ ATCA-compliant architecture delivers carrier-grade performance, reliability, availability and serviceability

✓ Chassis support two, six, or fourteen FortiGate-5000 series blades, allowing customization and scaling

Load Distribution & Virtualization

Most flexible chassis based solution in the market

✓ Ease of Maintenance – hot swappable components

✓ Supports full hardware redundancy

✓ Supports various Inter and Intra HA configurations

Chassis

Networking Blades

Security Blades

VDOMs
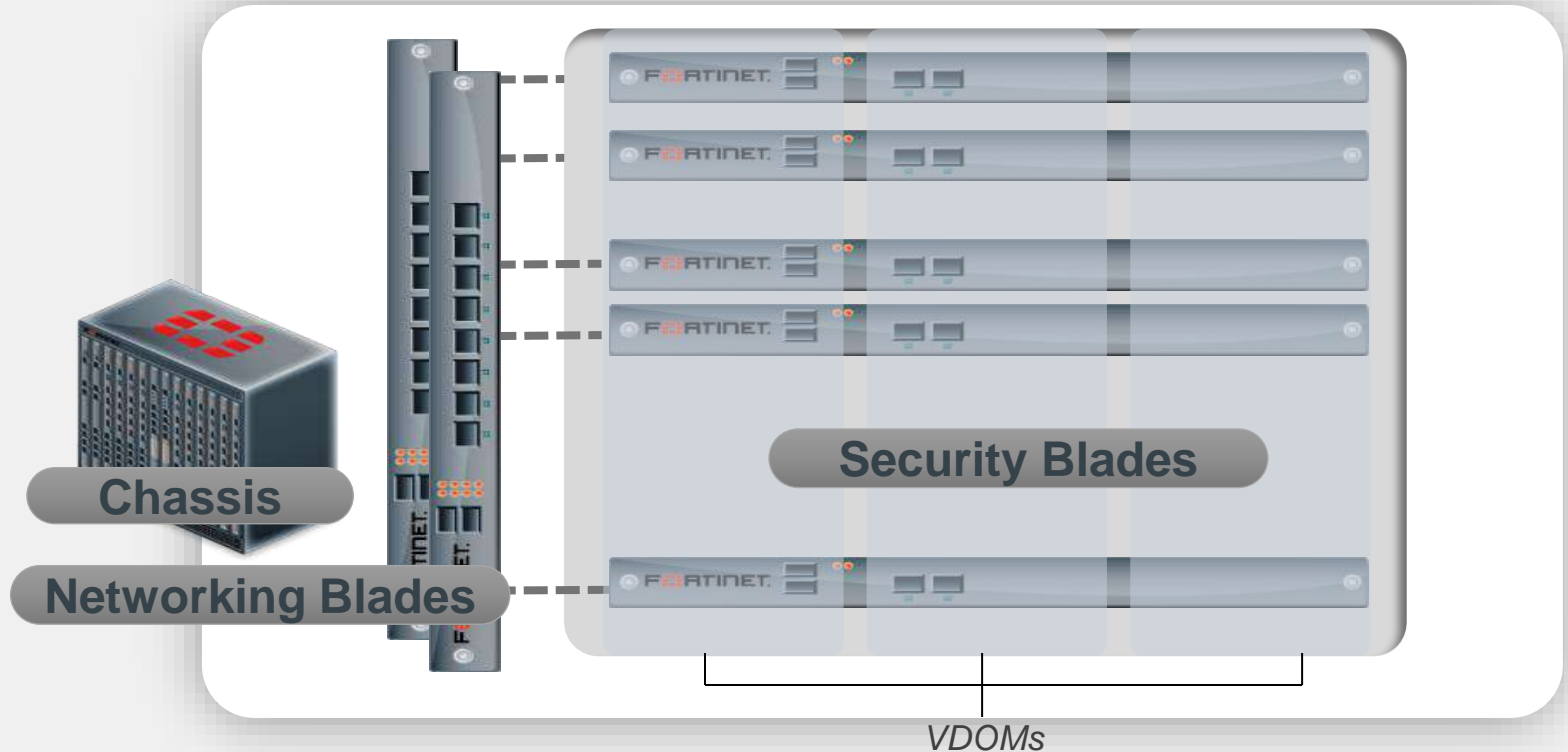
Clustering	Virtualization
Scales Traffic processing capacity linearly. Interoperates with external devices	Facilitates virtualized security components on FortiGate blades

FortiGate 5001E/5001E1
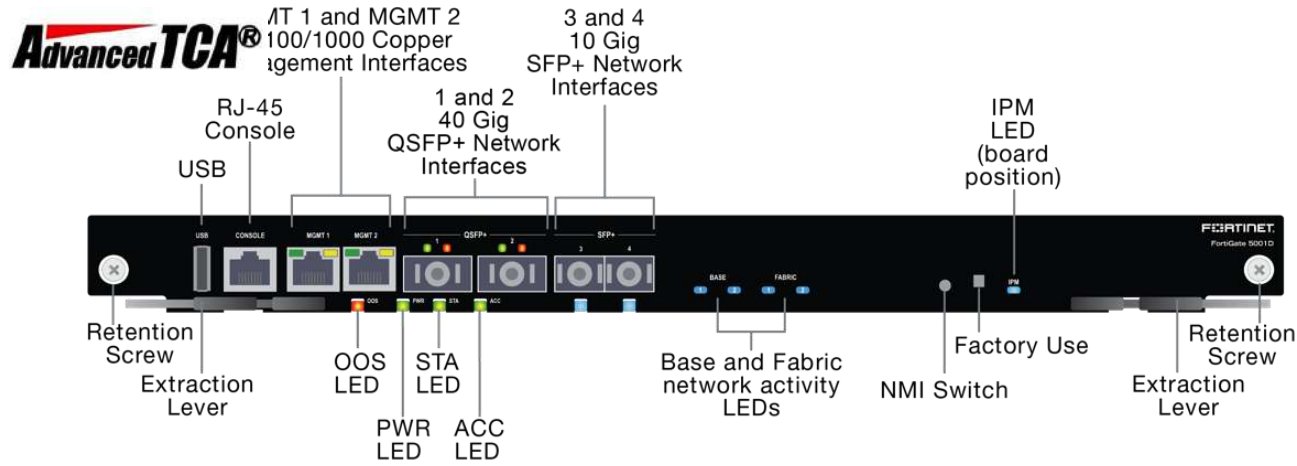
① 2x 40GE slots
② 2x 10GE slots
③ 2x GE RJ45 MGMT ports
④ Back plane connectivity : 2x base backplane 1Gbps, 4x fabric backplane 10/40Gbps
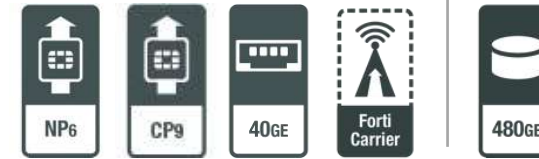
80 Gbps
Firewall throughput

40 Million
Concurrent Sessions

640,000
New Sessions/Sec

18 Gbps
IPS Throughput

15 Gbps
NGFW Throughput

13.5 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000   4,096   Yes
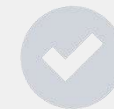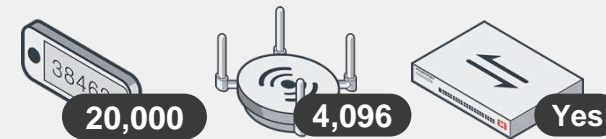
FortiController 5902D
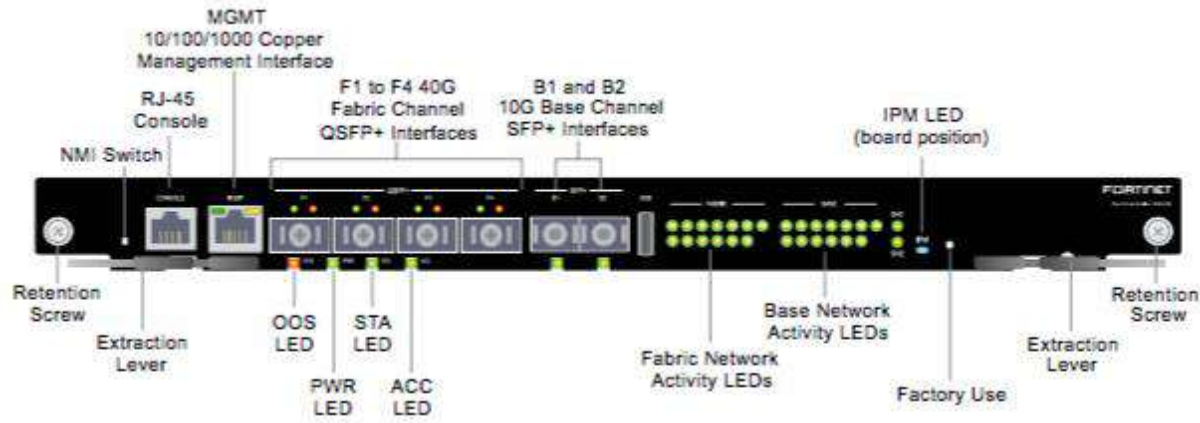
① 4 x 40 GE QSFP+
② 2 x 10GE SFP+
③ 1 x GE RJ45 Ports

80 Gbps
Firewall throughput

50 Million
Concurrent Sessions

155,000
New Sessions/Sec

11 Gbps
IPS Throughput

10 Gbps
NGFW Throughput

6.1 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000   4,096   N/A
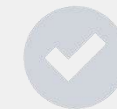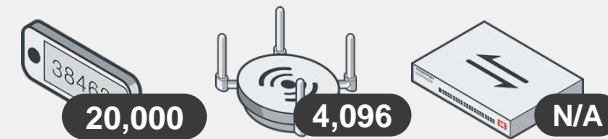
FortiController 5903C/5913C
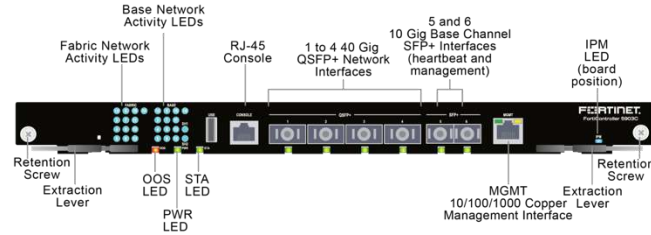
① 4x 40 GE QSFP+
② 2x 10 GE SFP+
③ 1x GE RJ45
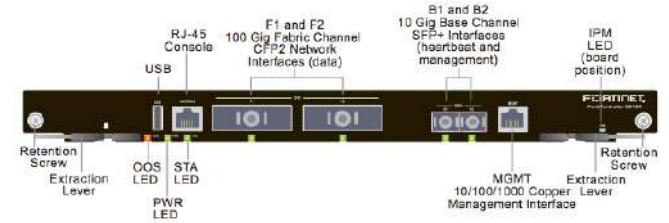
① 2x 100 GE CFP2
② 2x 10 GE SFP+
③ 1x GE RJ45

	FCTRL-5903C	FCTRL-5913C
Maximum Traffic Throughput	120 Gbps	200 Gbps
Concurrent Sessions	135 Million	135 Million
New Sessions/Second (TCP)	3.2 Million	3.6 Million

FortiGate 6300/6301F
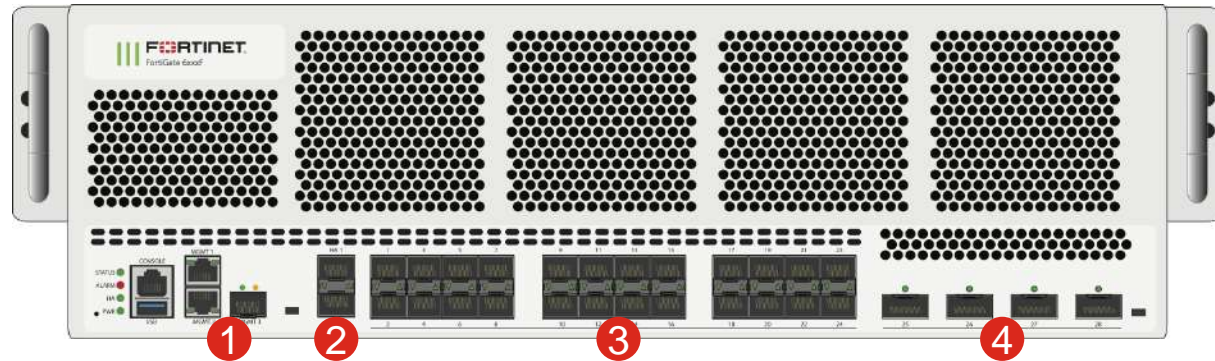
① 2 x GE RJ45, 1x 10 GE SFP+ Management Ports
② 2 x 10 GE SFP+ HA Slots
③ 24x 1/10/25 GE SFP/SFP+/SFP28 Slots
④ 4x 40/100 GE QSFP+/QSFP28 Slots

NP6 CP9 DP3 3U 100GE 40GE 25GE Forti Carrier 2TB
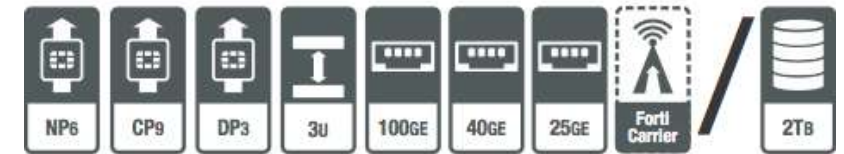
239 Gbps
Firewall throughput

110 Gbps
IPS Throughput

2 Million
New Sessions/Sec

120 Million
Concurrent Sessions

90 Gbps
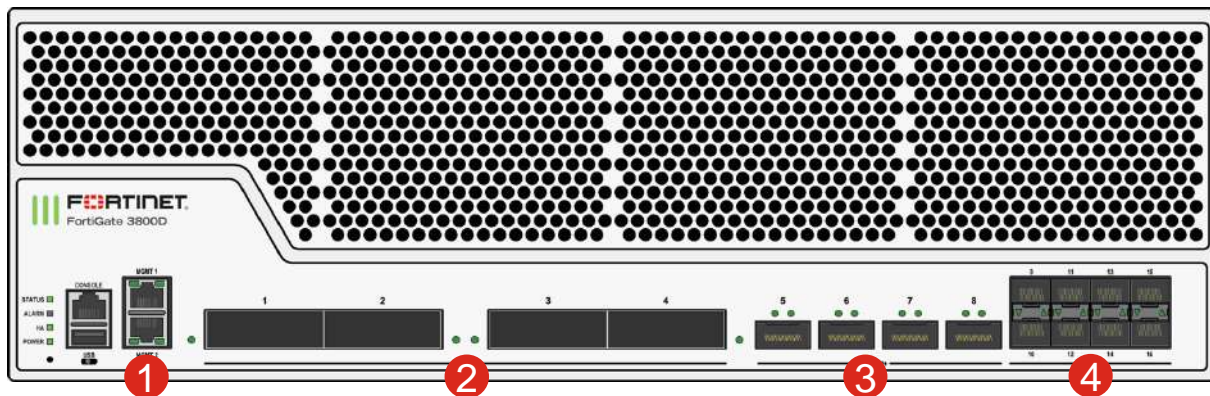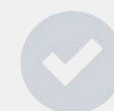NGFW Throughput

66 Gbps
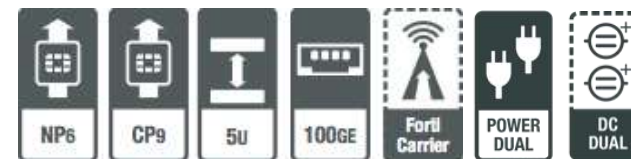SSL Inspection Throughput

60 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000   N.A   N.A
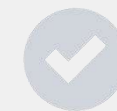
FortiGate 6500/6501F
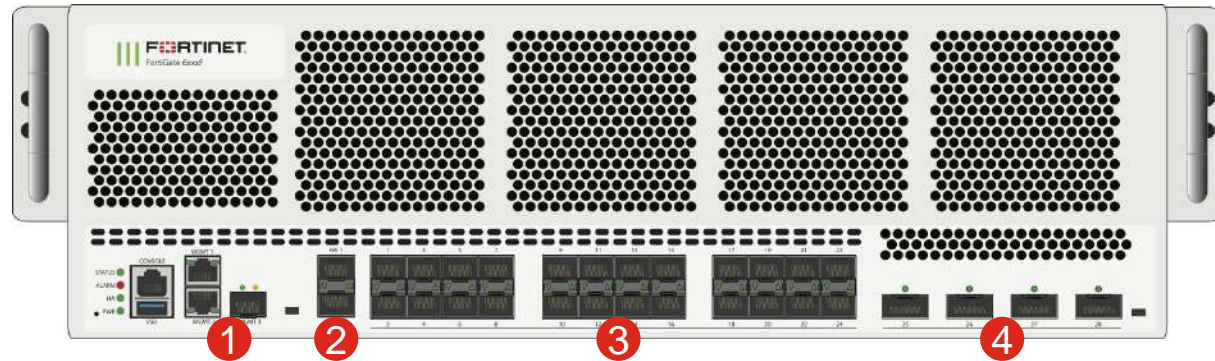
① 2 x GE RJ45, 1x 10 GE SFP+ Management Ports

② 2 x 10 GE SFP+ HA Slots

③ 24x 1/10/25 GE SFP/SFP+/SFP28 Slots

④ 4x 40/100 GE QSFP+/QSFP28 Slots

NP6	CP9	DP3	3U	100GE	40GE	25GE	Forti Carrier	2TB
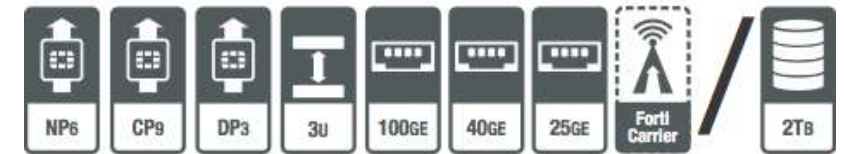
239 Gbps
Firewall throughput

170 Gbps
IPS Throughput

3 Million
New Sessions/Sec

200 Million
Concurrent Sessions

150 Gbps
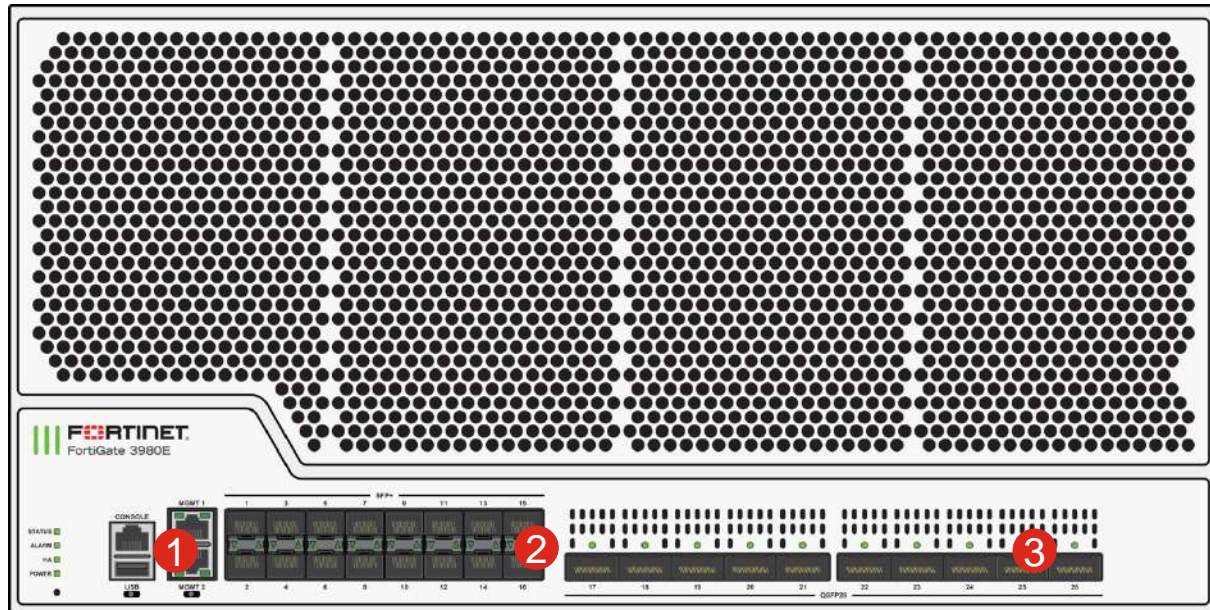NGFW Throughput

110 Gbps
SSL Inspection Throughput

100 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000   N.A   N.A
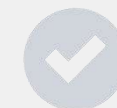
FortiGate 7030E
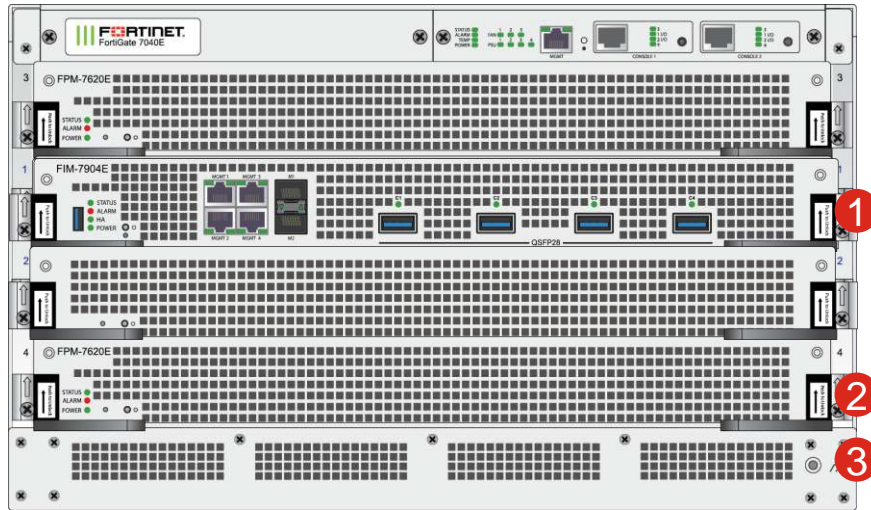
① 1 x FIM

② 2 x Processing Module Slots

③ 3 (+1 optional) Hot Swappable Redundant PS

NP6 | CP9 | DP2 | 6U | 10GE | 40GE | 100GE

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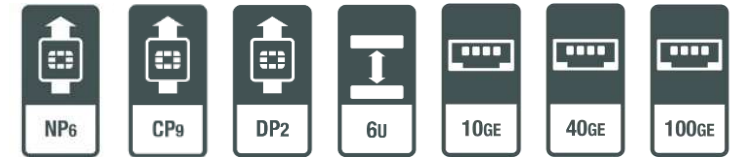
115 Gbps
Firewall throughput

900,000
New Sessions/Sec

160 Million
Concurrent Sessions

39.9 Gbps
SSL Inspection Throughput

60 Gbps
IPS Throughput

50 Gbps
NGFW Throughput

35 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000 | N.A | N.A
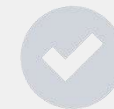
FortiGate 7040E-8/-9
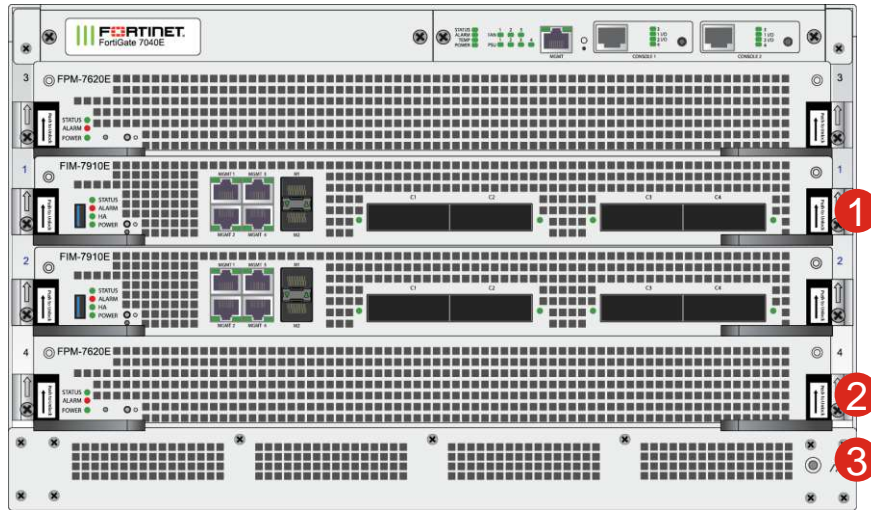
① 2 x I/O Module Slots
② 2 x Processing Module Slots
③ 3 (+1 optional) Hot Swappable Redundant PS

NP6 | CP9 | DP2 | 6U | 10GE | 40GE | 100GE
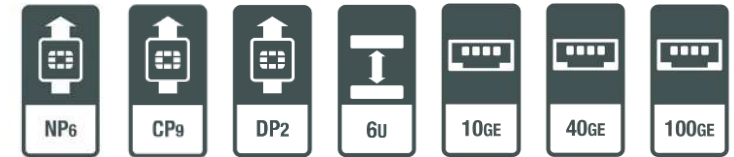
315 Gbps
Firewall throughput

0.95/ 1 Mil
New Sessions/Sec

160 Million
Concurrent Sessions

39.9 / 60 Gbps
SSL Inspection Throughput

60 / 100 Gbps
IPS Throughput
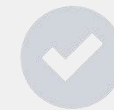
50 / 60 Gbps
NGFW Throughput

40 / 48 Gbps
Threat Protection Throughput

Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

20,000 | N.A | N.A

FortiGate 7060E-8/-9*
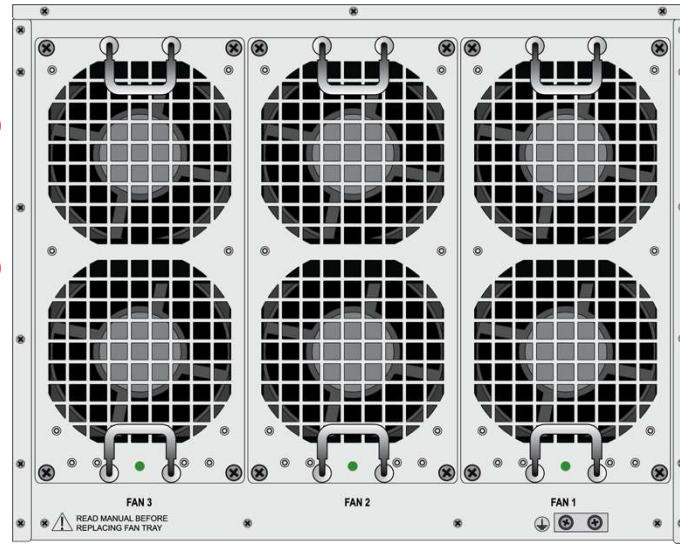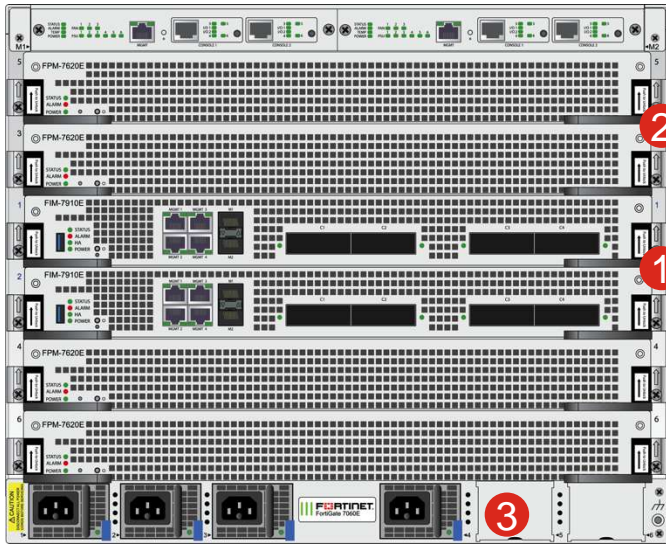
① 2 x I/O Module Slots
② 2 +2 optional Processing Module Slots
③ 4 +2 optional) Hot Swappable Redundant PS

| NP6 | CP9 | DP2 | 8U | 10GE | 40GE | 100GE |
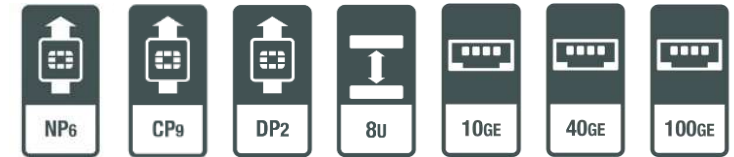
630 Gbps
Firewall throughput

120 / 200 Gbps
IPS Throughput
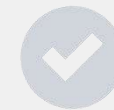
Data Center / Service Provider
NGFW / ISFW / IPS / Mobile Security

1.8 / 2 Mil
New Sessions/Sec

320 Million
Concurrent Sessions

100 / 120 Gbps
NGFW Throughput

79.9 /120 Gbps
SSL Inspection Throughput

80 / 96 Gbps
Threat Protection Throughput

20,000   **N.A**   **N.A**

* Specs with fully-populated FRMs

FortiGate 7040E & 7060E Bundle

FG-7040E	FPM-7620E	FPM-7630E	FIM-7901E	FIM-7904E	FIM-7910E	FIM-7920E
Network Interfaces	-	-	32x GE/10 GE SFP/+	8x 40 GE QSFP+	4x 100 GE CFP2	4x 100 GE QSFP28
Base Channel Interfaces	-	-	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+	2x 10 GE SFP+
Management Interfaces	-	-	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45
FG-7040E-8	2			Any 2 FIMs		
FG-7040E-9		2		Any 2 FIMs		
FG-7060E-8	2 (+2)*			Any 2 FIMs		
FG-7060E-9		2 (+2)*		Any 2 FIMs		

* Optional 2 more FPMs, order separately.

FortiGate Virtual Appliance Series

Agile Security for Virtual Environments

| Amazon AWS | MS Azure | GCP | OCI | Aliyun |

FG-VM for Public Cloud

| VMware ESXi | Citrix Xen | Xen | KVM | MS Hyper-V | Nutanix AHV |

FG-VM for Private Cloud

Primary Benefits:

✓ Increased visibility and security within virtualized infrastructure better protect critical resources

✓ Ability to manage virtual appliances and physical appliances from a single pane of glass management platform reduces TCO

✓ Comprehensive Hypervisor support

✓ Feature-rich security and virtual networking support facilitate wide deployment and requirement options

FortiGate-VM

	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08	FG-VM16	FG-VM32	FG-VMUL
Private Cloud Platforms								
VMware	✓	✓	✓	✓	✓	✓	✓	✓
Citrix	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Hyper-V	✓	✓	✓	✓	✓	✓	✓	✓
KVM	✓	✓	✓	✓	✓	✓	✓	✓
Open Source Xen	✓	✓	✓	✓	✓	✓	✓	✓
Nutanix AHV	✓	✓	✓	✓	✓	✓	✓	✓
Public Cloud Platforms (BYOL)								
Amazon AWS	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Azure	✓	✓	✓	✓	✓	✓	✓	✓
Google Cloud Platform	✓	✓	✓	✓	✓	✓	✓	✓
Oracle Cloud Infrastructure			✓	✓	✓	✓	✓	✓
AliCloud	✓	✓	✓	✓	✓	✓	✓	✓

Transceivers & Breakout Cables

Max Dist.	SFP (GE)	XFP (10GE)	SFP+ (10GE)	QSFP+ (40GE)	CFP2 (100GE)	QSFP28 (100GE)
10 M			SP-CABLE-ADASFP+			
100 M	FN-TRAN-GC		FN-TRAN-SFP+GC	FN-TRAN-QSFP+SR FG-TRAN-QSFP+SR-BIDI (on OM3 MMF)	FG-TRAN-CFP2-SR10	FN-TRAN-QSFP28-SR4
150 M				FN-TRAN-QSFP+SR FG-TRAN-QSFP+SR-BIDI (on OM4 MMF)		
220 M	FN-TRAN-SX FR-TRAN-SX (62.5/125 micron MMF)		]			
300 M		FG-TRAN-XFPSR (OM3MMF)	FN-TRAN-SFP+SR			
500 M	FN-TRAN-SX FR-TRAN-SX (50/125 micron MMF)					
10 KM	FN-TRAN-LX FR-TRAN-LX	FG-TRAN-XFPLR	FN-TRAN-SFP+LR		FG-TRAN-CFP2-LR4	FN-TRAN-QSFP28-LR4
40 KM			FN-TRAN-SFP+ER			
90 KM	FR-TRAN-ZX					

Transceivers & Breakout Cables

Max Dist.	SFP (GE)	XFP (10GE)	SFP+ (10GE)	QSFP+ (40GE)	CFP2 (100GE)
1 Meter Length				FG-TRAN-QSFP-4XSFP	FG-CABLE-SR10-SFP+
5 meter Length				FG-TRAN-QSFP-4SFP-5	FG-CABLE-SR10-SFP+5

Transceivers

Models	Slot Type(s)	Transceivers Shipped
FG-80E Series	SFP	NIL
FG-100EF	SFP	NIL
FG-140E/140E-POE	SFP	NIL
FG-200E/201E	SFP	NIL
FG-300E/301E, 400E/401E	SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-500E/501E, FG-600E/601E	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-600D	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-800D	SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)

Models	Slot Type(s)	Transceivers Shipped
FG-900D/1000D	SFP/+ SFP	NIL
FG-1100E	QSFP+ SFP28 SFP/+ SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-1200D	SFP/+ SFP	NIL
FG1500D	SFP/+ SFP	2x SFP+ (SR 10GE)
FG-2000E	SFP/+	2x SFP+ (SR 10GE)
FG-2200E	QSFP+ SFP28 SFP/+	
FG-2500E	SFP/+ SFP+ bypass	2x SFP+ (SR 10GE)

Transceivers

Models	Slot Type(s)	Transceivers Shipped
FG-3000D	SFP/+	2x SFP+ (SR 10GE)
FG-3100D	SFP/+	2x SFP+ (SR 10GE)
FG-3200D	SFP/+	2x SFP+ (SR 10GE)
FG-3300E	QSFP+ SFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3400E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3600E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3700D/DX	QSFP+ SFP/+ SFP+	2x SFP+ (SR 10GE)
FG-3800D	CFP2 QSFP+ SFP+	2x SFP+ (SR 10GE) FG-CABLE-SR10-SFP+

Models	Slot Type(s)	Transceivers Shipped
FG-3960E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-3980E	QSFP28 SFP/+	2x SFP+ (SR 10GE)
FG-5001D/5001E	QSFP+ SFP/+	2x SFP+ (SR 10GE)
FCTL-5903C	QSFP+ SFP/+	2x SFP+ (SR 10GE)

Power Adapters & Redundant Power Supplies

Models	Spare/Redundant Power Supplies Option
FG/FWF-20C, 30D	SP-FG20C-PA-XX
FG/FWF-30D-POE	SP-FG30D-POE-PDC
FG/FWF-30E, FG/FWF-50E, FG/FWF-51E	SP-FG30E-PA-XX
FG-52E, FG-50E-2R, FG-30E-3G4G	SP-FG52E-PA-XX
FG/FWF-40C, 60C, 60D,60D-3G4G, 60E, 61E, 90D, FG-70D	SP-FG60C-PDC
FG/FWF-60D-POE	SP-FG60D-POE-PDC
FG-80D	SP-FG80D-PDC
FG-60E-POE, FG-80-POE, 81E-POE	SP-FG80E-POE-PDC
FG/FWF-90D-POE, FG-70D-POE	SP-FG90D-POE-PDC
FG/FWF-92D, FG-90/91E	SP-FG92D-PDC

Models	Spare/Redundant Power Supplies Option
FG-100E, 100EF, 140E	FRPS-100 (max 2 units)
FG-140E-POE	FRPS-740-FG (max 2 units)
FG-200D, 240D, 200E	FRPS-100 (max 2 units)
FG-200D/240D/280-POE	FRPS-740-FG (max 2 units)
FG-300C	SP-FG310B-RPS FRPS-100 (max 4 units)
FG-300D	FRPS-100 (max 2 units)
FG-300/301E, FG-400/401E, FG500/501E & FG-600/601E	SP-FG300E-PS (additional as option)
FG-400D, 500D	FRPS-100 (max 2 units)
FG-600C, 800C	SP-FG600C-PS (additional as option)
FG-600C-DC, FG-800C-DC	SP-FG600C-DC-PS (additional as option)

Power Adapters & Redundant Power Supplies

Models	Spare/Redundant Power Supplies Option
FG600D	FRPS-100 (max 2 units)
FG-620B, 621B	SP-FG620B-RPS
FG-800D	SP-FG600C-PS (additional as option)
FG-1000C, FG-1000C-DC	SP-FG600C-PS, SP-FG600C-DC-PS (spare)
FG-900D/1000D	SP-FXX1000D
FG-1200D, FG-1500D, FG-1500DT	SP-FG1200D-PS
FG-1240B, FG-3040B, FG-3140B	SP-FG1240B-PS (spare)
FG-3000D, FG-3100D, FG-3240C, 3200D	SP-FG3000D-PS
FG-3600C	SP-FG3600C-PS (spare)

Models	Spare/Redundant Power Supplies Option
FG-3400/3401E, FG-3600/3601E	SP-FG3800D-PS (Spare)
FG-3700D, FG-3700D-DC	SP-FG3800D-PS, SP-FG3800D-DC-PS (spare)
FG-3800D,3810D,3815D	SP-FG3800D-PS (spare)
FG-3810A, FG-3810A-DC	SP-FG3810A-PS, SP-FG3810A-DC-PS (spare)
FG-3950B, FG-3951B	SP-FG3950B-PS (spare)
FG-3960E FG-3980E	FG-7040E-PS-AC (spare) FG-7040E-PS-DC (spare)
FG-7030E FG-7040E	FG-7040E-PS-AC FG-7040E-PS-DC
FG-7060E	FG-7060E-PS-AC

Power Cords

C14 Inlet		SP-FGPCOR-US	SP-FGPCOR-UK	SP-FGPCOR-EU	SP-FGPCOR-AU
C15 Inlet		SP-FGPCORC15-US SP-FGPCORC15-JP	SP-FGPCORC15-UK	SP-FGPCORC15-EU	SP-FGPCORC15-AU
*C6 Inlet		SP-FG60CPCOR-US	SP-FG60CPCOR-UK	SP-FG60CPCOR-EU	SP-FG60CPCOR-AU
		NEMA 5-15	BS 1363	CEE7 VII	AS/NZS 3112
		Type B	Type G	Type C, E, F, K	Type I

http://en.wikipedia.org/wiki/AC_power_plugs_and_sockets
https://www.worldstandards.eu/electricity/plug-voltage-by-country/

* For FG-60C and FG/FWF-40C, FG/FWF-60D, 60E, 60F , 80F & FG/FWF-90D

Hard Disks

	SP-D1000	SP-D1TB	SP-D1TC	SP-D2TC	SP-D2TE	SP-D3TC	SP-D2000	SP-D2000A	SP-DFWB2T	SP-D960
FortiManager			1000C, 3000C	3000C gen2, 4000D		300E, 400E, 2000E, 3000F	1000D			3900E
FortiAnalyzer		4000B	1000C, 2000B	1000C Gen2 2000B Gen2 3000D		400E, 1000E, 2000E, 3000E, 3500F	1000D	3500D		3900E
FortiMail			2000B. 3000C	2000B Gen2 3000D	2000E, 3000E, 3200E		1000D			
FortiWeb	1000D		1000C, 3000C	3000D, 4000C, 4000D			1000D		3000E 4000E	
FortiDB			1000C, 2000B	3000D			1000D			
FortiAuthenticator			1000C, 3000B	3000D	2000E, 3000E		1000D			
FortiCache			1000C, 3000C	1000C Gen2, 3000D	3000E		1000D			
FortiSandbox				3000D	3000E		1000D			

FortiOS 7.0

FortiOS Software Evolution

2005	2007	2009/Q1	2009/Q3	2010/Q1	2011/Q3	2012/Q4
V 2.8	**V 3.0**	**V 4.0**	**V4.1**	**V 4.2**	**V 4.3**	**V 5.0**
• Antispam • NGFW	• SSL VPN • IM/P2P mgmt	• DLP • WAN Opt. • SSL Proxy • App Control	• Wireless ctrl • IPv6 UTM • SQL Logging	• New GUI • Network VM	• Token Server • ICAP	• Client reputation • Sandbox integration • Endpoint control • Device based policy

New Key functionalities

2014/Q2	2016/Q3	2017/Q1	2018/Q1	2019/Q2	2020/Q1	
V 5.2	**V 5.4**	**V 5.6**	**V 6.0**	**V 6.2**	**V 6.4**	
• FortiView • Deep Flow AV • Software performance optimization	• ATP Integration • SDN support • DNS Server	• Security Fabric Integration and Features	• Security Fabric Enhancements • Automation • Secure SD-WAN	• Fabric Connectors Enhancements • Additional Trigger and Actions for Automation	• SD-WAN Enhancements • Additional Fabric Integration • IoT and IPAM Services	

New Key functionalities

FortiOS V7.0

Configuration	Log & Report	Diagnostics	Monitoring	**Operation**	Systems Integration	Central Mgmt. and Provisioning	Cloud & SDN Integration
					Visibility		Automation
Policy Modes	Device Identification		SSL inspection	**Policy and Control**	NAC		Compliance & Security Rating
Firewall	Application Control		Anti-Malware	**Security**	Advanced Threat Protection (ATP)		
VPN	IPS & DoS	Web Filtering	Email Filtering				
SD WAN	Explicit Proxy	IPv6	High Availability	**Networking**	Wireless Controller	Switch Controller	WAN Interface Manager
Routing/NAT	L2/Switching	Offline Inspection	Essential Network Services				
Physical Appliance (+SPU)	Virtual System	Hypervisor	Cloud	**Platform Support**	**Security Fabric**		

* Features availability may varied by models

* Features availability may varied by models

	Threat Protection	Unified Threat Protection	Enterprise Protection	360
FortiManager Cloud				●
FortiAnalyzer Cloud				●
Fortinet SOCaaS *NEW*				●
SD-WAN Overlay Controller VPN Service				●
SD-WAN Cloud Assisted Monitoring				●
SD-WAN Orchestrator Entitlement				●
FortiConverter Service			●	●
FortiGuard IoT Detection Service			●	●
FortiGuard Industrial Service			●	●
FortiGuard Security Rating Service			●	●
FortiGuard Anti-Spam Service		●	●	●
FortiGuard Web & Video[2] *NEW* Filtering Service		●	●	●
FortiGuard Advanced Malware Protection (AMP) - Antivirus, Mobile Malware, Botnet, CDR, Virus Outbreak Protection and FortiSandbox Cloud Service	●	●	●	●
FortiGuard IPS Service	●	●	●	●
FortiGuard App Control Service	●	●	●	●
FortiCare (incl. Internet Service DB, Client ID DB, IP Geography DB, Malicious URL DB, URL Whitelist DB)	24x7	24x7	24x7	ASE [1]
Bundles	**Threat Protection**	**Unified Threat Protection**	**Enterprise Protection**	**360**

FortiAnalyzer

Introducing FortiAnalyzer

Appliance Virtual Machine Hosted Cloud

Logging, reporting and analysis from multiple Fortinet devices

Centralized Search and Reports

Real-time and Historical Views into Network Activity

Scans security logs using FortiGuard IOC Intelligence for APT detection

Light-weight Event Management

Seamless Integration with the Fortinet Security Fabric

FortiAnalyzer
Centralized Logging and Reporting

Remote Office/ Branch Office

Headquarters Data Center

FortiGate Physical or virtual

FortiGate Physical or virtual

FortiManager
Centralized Device and Policy Management

Web

Policies

FortiGate Physical or virtual

Remote Office/ Branch Office
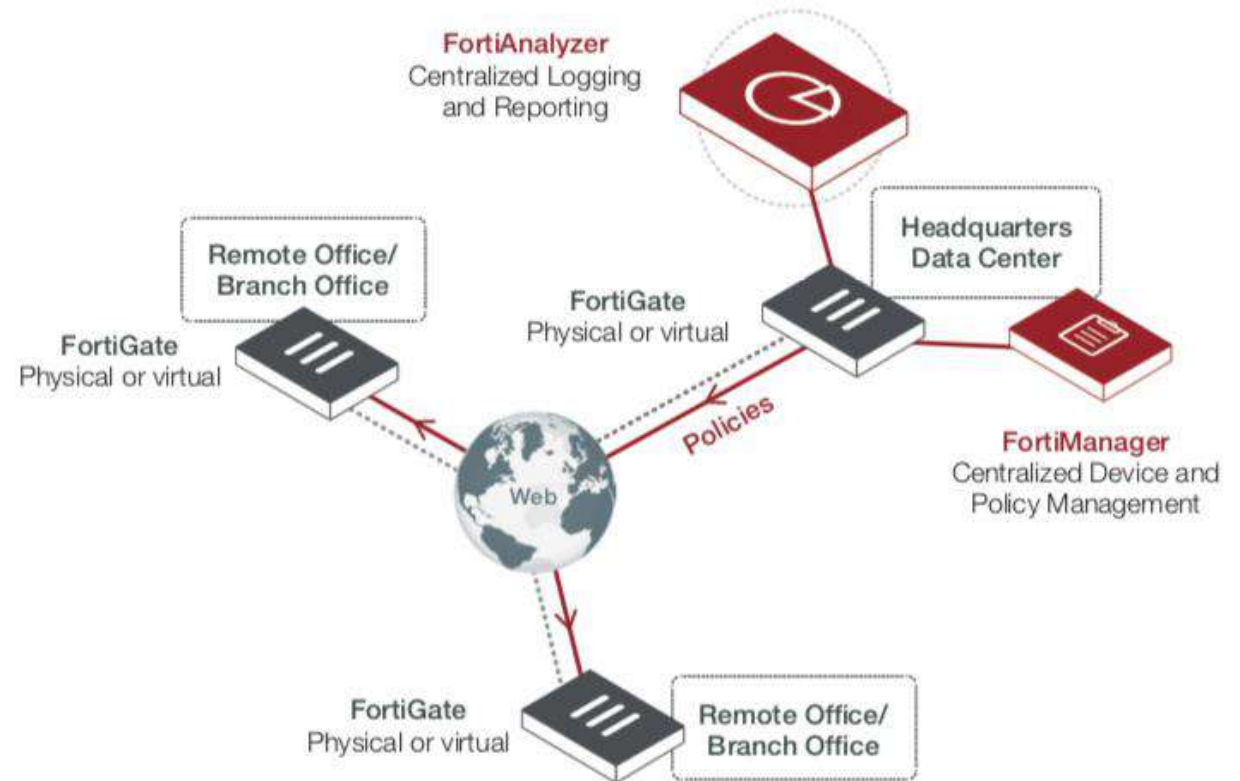
FortiAnalyzer Series

	FAZ-150G	FAZ-300F	FAZ-800F	FAZ-1000F	FAZ-3000G	FAZ-3500G	FAZ-3700F
GB/Day	50	150	300	660	3,000	5,000	8,300
Analytic Sustained Rate (logs/sec)	1,500	4,500	8,250	20,000	42,000	60,000	100,000
Collector Sustained Rate (logs/sec)	3,000	6,750	12,000	30,000	60,000	90,000	150,000
Max. Devices/ADOMs	50	180	800	2,000	4,000	10,000	10,000
Max Number of Days Analytics	38	28	30	34	30	38	60
Total Interfaces	2x GE RJ45	2x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x 10GE SFP+	2x GE RJ45, 2x 25GE SFP28	2x GE RJ45, 2x 25GE SFP28	2x GE RJ45, 2x 10GE SFP+
Storage capacity	2x 2 TB	2x 4 TB	4x 4 TB	8x 4TB	16x 4TB	24x 4TB	60x 4TB
RAID support	Yes (0,1)	Yes (0,1)	Yes (0,1,5,10)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)

FortiAnalyzer VM-Series

	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100	FAZ-VM-GB500	FAZ-VM-GB2000
GB/Day	1	+1	+5	+25	+100	+500	+2,000
Max. Devices/ADOMs	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Storage Capacity	500 GB	+500 GB	+3 TB	+10 TB	+24 TB	+48 TB	+100 TB
Network Interface (Min/Max)	1 / 4						
vCPU (Min/Max)	4 / Unlimited						
Memory Support (Min/Max)	8 GB / Unlimited						

FortiManager

Introducing FortiManager

Tools that effectively manage any size Fortinet security infrastructure, from a few to thousands of appliances

Easy centralized configuration, policy-based provisioning, update management, and end to-end network monitoring

Segregate management of large deployments with ADOMs

Single-pane-of-glass manages more than firewalls

Script and automation support with JSON/XML APIs with external systems

Remote Office/ Branch Office

Remote Office/ Branch Office

FortiGate physical or virtual

Web

Headquarters Data Center

Additional Locations

FortiAnalyzer/ FortiAnalyzer-VM Logging and Reporting

FortiManager/ FortiManager-VM Centralized Management
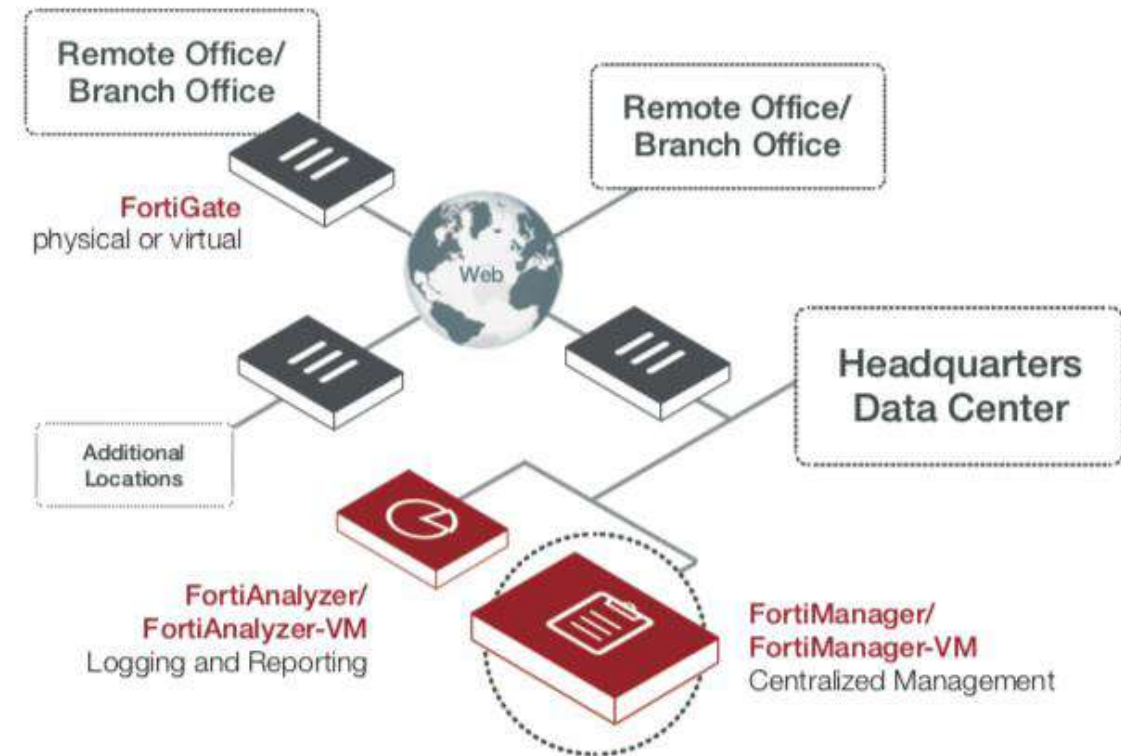
FortiManager Series

	FMG-200G	FMG-300F	FMG-1000F	FMG-2000E	FMG-3000G	FMG-3700F
Max. Devices/VDOMs[1]	30	100	1,000	1,200	4,000+	10,000+
Sustained Log Rates	50	50	50	50	150	150
GB/Day	2	2	2	2	10	10
Interfaces	4x GE RJ45	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x SFP+	4x GE RJ45, 2x SFP+	2x GE RJ45, 2x 25GE SFP28	2x GE RJ45, 2x 10 GE SFP+
Storage capacity	2x 4TB	4x 4TB	8x 4TB	12x 3TB	16x 4TB	60x 4TB

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device

FortiManager-VM Series

	FMG-VM-BASE	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG
Max. Devices/VDOMs[1]	10	+10	+100	+1,000	+5,000
Storage Capacity	100 GB	200 GB	1 TB	4 TB	8 TB
GB Logs/day	1	2	5	10	25
Max. Virtual NICs (Min/Max)			1 / 4		
vCPU Support (Min/Max)			4 / Unlimited		
Storage capacity (Min/Max)			100 GB / 16 TB		
Memory Support (Min/Max)			8 GB / Unlimited for 64-bit		

1 Each Virtual Domain (VDOM) operating on a physical or virtual device counts as one (1) licensed network device

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FortiSIEM

Introducing FortiSIEM

Unified event correlation and risk management for modern networks

Asset Self-Discovery

Rapid Integrations and Scalability

Automated Workflow with Remediation Library

Single Pane of Glass to quickly remediate service issues

Multi-tenancy for role-based access to a unified platform

FortiAuthenticator

Introducing FortiAuthenticator

Identity Management, User Access Control and multi-factor identification

Transparently identify network users and enforce identity-driven policy on a Fortinet-enabled enterprise network

Seamless secure two-factor/OTP authentication across the organization in conjunction with FortiToken

Certificate management for enterprise wireless and VPN deployment

Guest management for wired and wireless network security

Single Sign On capabilities for both internal and cloud networks

FortiToken

FortiAuthenticator

Issuing CA

LDAP User Database
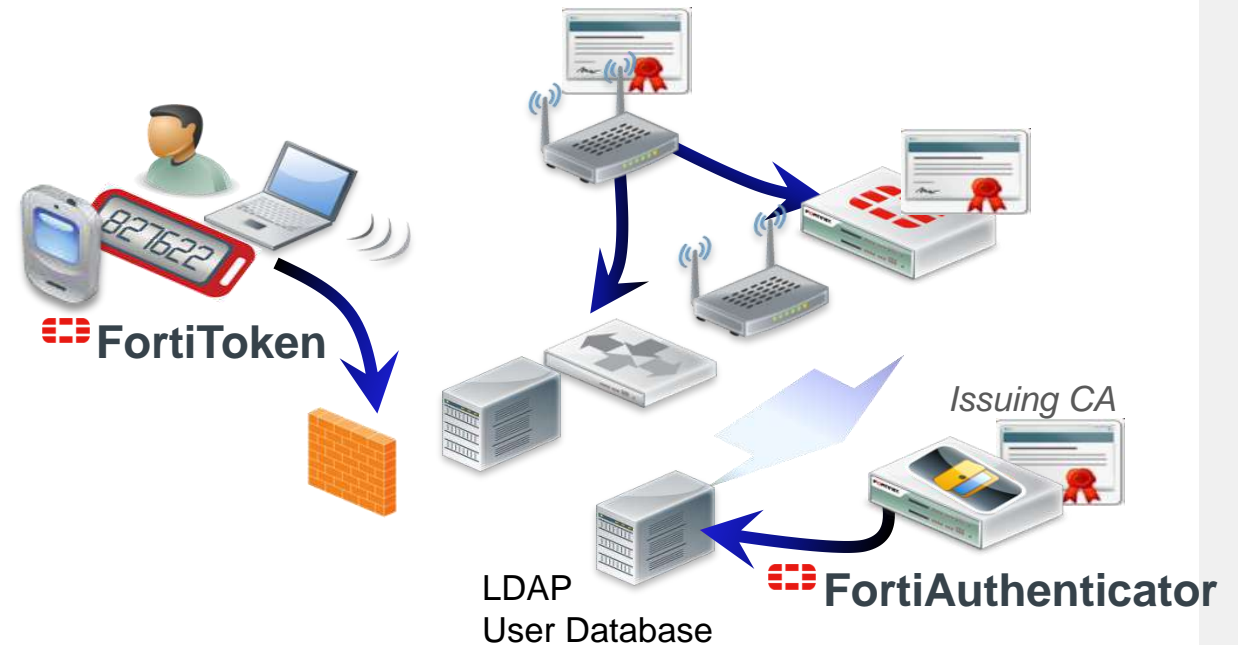
FortiAuthenticator Series

	FAC-200E	FAC-300F	FAC-400E	FAC-800F	FAC-2000E	FAC-3000E
Max. Local + Remote Users	500	1,500	2,000	8,000	20,000	40,000
Max. FortiTokens	1,000	3,000	4,000	16,000	40,000	80,000
Max. NAS Devices	166	500	666	2,666	6,666	26,666
Max. User Groups	50	150	200	800	2,000	4,000
Max. CA Certificates	10	10	10	50	50	50
Max. User Certificates	2,500	7,500	10,000	40,000	50,000	50,000
Interfaces	4x GE RJ45	4x GE RJ45	4x GE RJ45	4x GE RJ45 2x GE SFP	4x GE RJ45 2x GE SFP	4x GE RJ45 2x GE SFP
Storage Capacity	1 x 1 TB	2 x 1 TB	2 x 1 TB	2 x 2 TB	2 x 2 TB	2 x 2 TB

FortiAuthenticator-VM Series

	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG
Max. Local and/or Users	100	+100	+1,000	+10,000
Max. FortiTokens	200	+200	+2,000	+20,000
Max. NAS Devices	33	+33	+333	+3,333
Max. User Groups	10	+10	+100	+1,000
Max. CA Certificates	5	+5	+50	+500
Max. User Certificates	100	+100	+1,000	+10,000
Interfaces (Min/Max)	1 / 4			
Virtual CPUs (Max)	64			
Storage Capacity (Min Max)	60 GB / 16 TB			
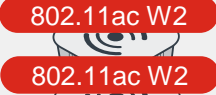
FortiAP

FortiAP Family

		Wall Plate	Outdoor	Indoor
4x4:4	**3** Radio		802.11ax **FAP-432F**	802.11ax **FAP-431/433F**
	2 Radio			802.11ac W2 **FAP-421/423E**
3x3:3				802.11ac W2 **FAP-321E**
2x2:2	**3** Radio	802.11ax **FAP-23JF**	802.11ax **FAP-234F**	802.11ax **FAP-231F** 802.11ac W2 **FAP-231E**
	2 Radio	802.11ac W2 **FAP-C24JE**	802.11ac W2 **FAP-224E** 802.11ac W2 **FAP-222E**	802.11ac W2 **FAP-221/223E**

FortiAP 431/433F

Indoor | 802.11ax | Triple Radio | 4x4

① 1 x 2.5GE RJ45 Interface
② 1 x GE RJ45 Interface
③ 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

① 1 x 2.5GE RJ45 Interface
② 1 x GE RJ45 Interface
③ 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

	FAP-431F	FAP-433F
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	5 Internal + 1 BLE Internal	5 External (RP-SMA) + 1 BLE Internal
Rx / Tx	4x4	4x4
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2,402 Mbps)	5GHz a/b/g/n/ac/ax (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scan only)	2.4/5.0 GHz (scan only)
PoE	802.3at	802.3at

FortiAP 432F
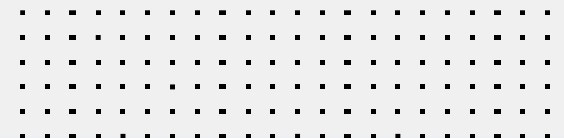
Outdoor | 802.11ax | Tri-Radio | 4x4

① 1x 2.5GE RJ45
② 1 x GE RJ45 (802.3af PoE PSE)
③ 1x RS-232 RJ45 Serial Port

a/b/g/n
/ac/ax

Target Environment	High density indoor
Number of Antenna	4 x dual band, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n/ax (1,147 Mbps)
Radio 2	5GHz a/b/g/n/ac/ax (2,402 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

FortiAP 421/423E

Indoor | 802.11ac W2 | Dual Radio | 4x4

① 2 x GE RJ45 Interface
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

① 2 x GE RJ45 Interface
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

	FAP-421E	FAP-423E
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	8 internal	8 External
Rx / Tx	4x4	4x4
Radio 1	2.4 GHz b/g/n (600 Mbps)	2.4 GHz b/g/n (600 Mbps)
Radio 2	5GHz a/b/g/n/ac (1733 Mbps)	5GHz a/b/g/n/ac (1733 Mbps)
PoE	802.3at	802.3at

FortiAP 321E
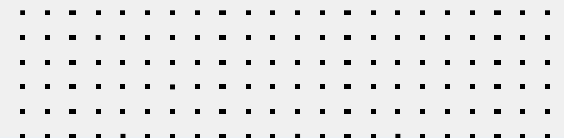
Indoor | 802.11ac W2 | Dual Radio | 3x3

① 1x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

Target Environment	Medium density indoor
Number of Antenna	6 Internal (RP-SMA) + 1 BLE internal
Rx / Tx	3 x 3 (Radio 1), 2 x 2 (Radio 2)
Radio 1	2.4 GHz b/g/n (450 Mbps)
Radio 2	5GHz a/n/ac (1,300 Mbps)
PoE	802.3af/at

FortiAP 231E

Indoor | 802.11ac W2 | Triple Radio | 2x2

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n
/ac

Target Environment	Medium density indoor
Number of Antenna	6 Internal + 1 BLE internal
Rx / Tx	2 x 2
Radio 1	2.4/5.0 GHz (high band) a/b/g/n/ac (867 Mbps)
Radio 2	5GHz a/n/ac (867 Mbps)
Radio 3	2.4/5.0 GHz b/g/n (400 Mbps)
PoE	802.3af/at
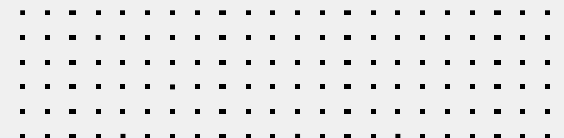
FortiAP 231F

Indoor | 802.11ax | Triple Radio | 2x2

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Medium density indoor
Number of Antenna	3 Dual band Internal + 1 BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1201 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at
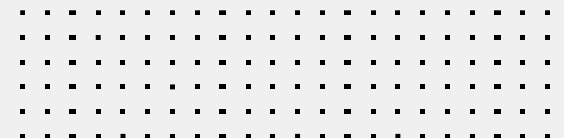
FortiAP 234F

Outdoor | 802.11ax | Triple Radio | 2x2

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n
/ac/ax

Target Environment	Medium density Outdoor
Number of Antenna	2 x dual band, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1200 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at
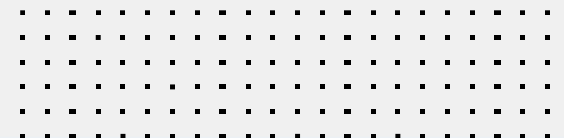
FortiAP 221/223E

Indoor | 802.11ac W2 | Dual Radio | 2x2

① 1 x GE RJ45 Interface

a/b/g/n /ac

① 1 x GE RJ45 Interface

a/b/g/n /ac

	FAP-221E	FAP-223E
Target Environment	Medium density indoor	Medium density indoor
Number of Antenna	4 internal	4 External
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	5GHz a/b/g/n/ac (867 Mbps)	5GHz a/b/g/n/ac (867 Mbps)
PoE	802.3af	802.3af

FortiAP 222/224E

Outdoor | 802.11ac W2 | Dual Radio | 2x2

① 1 x GE RJ45 Interface

① 1 x GE RJ45 Interface

	FAP-222E	**FAP-224E**
Target Environment	High density Outdoor, IP67 rated	High density Outdoor, IP67 rated
Number of Antenna	4 External (N-Type) + 1 BT/BLE External	4 Internal+ 1 BT/BLE Internal
Rx / Tx	2 x 2	2 x 2
Radio 1	2.4 GHz b/g/n (400 Mbps)	2.4 GHz b/g/n (400 Mbps)
Radio 2	5GHz a/n/ac (867 Mbps)	5GHz a/n/ac (867 Mbps)
PoE	802.3af/at	802.3af/at

FortiAP C24JE
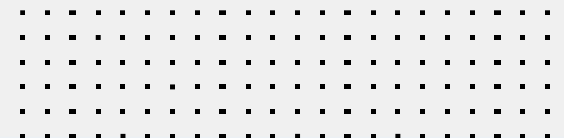
Wall Plate | 802.11n/ac W2 | 2x2

① 1x GE RJ45 802.3at PoE (PD)
② 1x GE RJ45 802.3af PoE (PSE)
③ 2x GE RJ45
④ 2x GE RJ45 Pass-through (in and out)
⑤ 1x RS-232 RJ45 Serial Port

a/b/g/n /ac

Target Environment	Indoor Wall Plate AP for hotel and dorm rooms
Number of Antenna	4 Internal
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n (300 Mbps)
Radio 2	5GHz a/n/ac (867 Mbps)
PoE	802.3af

FortiAP C24JF

Wall Plate | 802.11ax | 2x2

① 1x GE RJ45 802.3at PoE (PD)
② 1x GE RJ45 802.3af PoE (PSE)
③ 2x GE RJ45
④ 2x GE RJ45 Pass-through (In and out)
⑤ 1x RS-232 RJ45 Serial Port

a/b/g/n /ac/ax

Target Environment	Indoor Wall Plate AP for hotel and dorm rooms
Number of Antenna	4 x single band WiFi, 1 x dual band scanning, 1 x single band 2.4 GHz BLE/ZigBee
Rx / Tx	2 x 2
Radio 1	2.4 GHz b/g/n/ax (574 Mbps)
Radio 2	5GHz a/n/ac/ax (1201 Mbps)
Radio 3	2.4/5.0 GHz (scan only)
PoE	802.3af/at

FortiAP Family Overview

U-Series

			Wall Plate	Outdoor	Indoor
4x4:4	**3** Radio	Resiliency			802.11ax **FAP-U431/433F**
	2 Radio			802.11ac W2 **FAP-U422EV**	802.11ac W2 **FAP-U421/423EV**
3x3:3					802.11ac W2 **FAP-U321/323EV**
2x2:2			802.11ac **FAP-U24JEV**		802.11ac W2 **FAP-U221/223EV**

FortiAP U221/223EV

Indoor | 802.11ac W2 | Dual Radio | 2x2

① 1 x GE RJ45 Interface

a/b/g/n/ac

① 1 x GE RJ45 Interface

a/b/g/n/ac

	FAP-U221E	FAP-U223E
Target Environment	Medium density indoor with Security	Medium density indoor with Security
Number of Antenna	4 Internal + Bluetooth	4 External + Bluetooth
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	5 GHz a/n/ac (867 Mbps)	5 GHz a/n/ac (867 Mbps)
PoE	802.3af/at	802.3af/at

FortiAP U321/323EV

Indoor | 802.11ac W2 | Dual Radio | 3x3
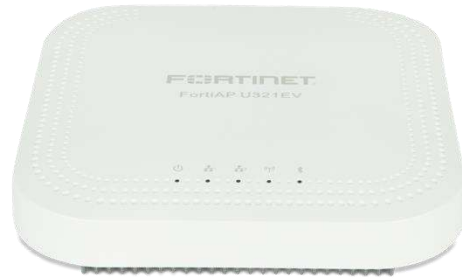
① 2 x GE RJ45 Interface

a/b/g/n /ac

① 2 x GE RJ45 Interface

a/b/g/n /ac

	FAP-U321EV	FAP-U323EV
Target Environment	High density and performance Indoor AP	High density and performance Indoor AP
Number of Antenna	6 Internal + 1 Bluetooth	6 External+ 1 Bluetooth
Rx / Tx	3x3	3x3
Radio 1	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)
Radio 2	5GHz a/n/ac (2340 Mbps)	5GHz a/n/ac (2340 Mbps)
PoE	802.3at/af	802.3at/af

FortiAP U421/423EV

Indoor | 802.11ac W2 | Dual Radio | 4x4

① 2 x GE RJ45 Interface

a/b/g/n /ac

① 2 x GE RJ45 Interface

a/b/g/n /ac

	FAP-U321EV	FAP-U323EV
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	8 internal + 1 Bluetooth	8 External + 1 Bluetooth
Rx / Tx	4x4	4x4
Radio 1	2.4 GHz b/g/n (800 Mbps)	2.4 GHz b/g/n (800 Mbps)
Radio 2	5GHz a/b/g/n/ac (3460 Mbps)	5GHz a/b/g/n/ac (3460 Mbps)
PoE	802.3at	802.3at

FortiAP U431/433F

Indoor | 802.11ax | Triple Radio | 4x4

① 1 x 2.5GE RJ45 Interface
② 1 x GE RJ45 Interface

a/b/g/n /ac/ax

① 1 x 2.5GE RJ45 Interface
② 1 x GE RJ45 Interface

a/b/g/n /ac/ax

	FAP-U431F	FAP-U433F
Target Environment	High density, high performance indoor	High density, high performance indoor
Number of Antenna	10 internal + 1 BT/BLE Internal	10 External (RP-SMA) + 1 BT/BLE Internal
Rx / Tx	4x4	4x4
Radio 1	5 GHz a/n/ac/ax (4,804 Mbps)	5 GHz a/n/ac/ax (4,804 Mbps)
Radio 2	2.4/5 GHz a/b/g/n/ac/ax (4,804 Mbps)	2.4/5 GHz a/b/g/n/ac/ax (4,804 Mbps)
Radio 3	2.4/5 GHz b/g/n/ac (300 Mbps)	2.4/5 GHz b/g/n/ac (300 Mbps)
PoE	802.3af/at	802.3af/at

FortiAP U422EV

Outdoor | 802.11n/ac W2 | 4x4

① 2x GE RJ45
② 1x RS-232 RJ45 Serial Port

a/b/g/n
/ac

Target Environment	High Performance Outdoor
Number of Antenna	8 External (Type N) + 1 BT/BLE Internal
Rx / Tx	4 x 4
Radio 1	2.4 GHz b/g/n (600 Mbps)
Radio 2	5GHz a/n/ac (3,466 Mbps)
PoE	802.3at/Proprietary

FortiAP U24JEV

Wall Plate | 802.11n/ac | 2x2

① 4x GE RJ45 (inc. (1x 802.3at PoE PD)
② 1x RJ45 GE 802.3af PoE PSE
③ 1x RJ45 pass-thru

Target Environment	Indoor Wall Plate AP for hotel and dorm rooms
Number of Antenna	2 Internal + 1 BLE Internal
Rx / Tx	2 x 2
Radio 1	2.4/5 GHz a/b/g/n/ac (867 Mbps)
Radio 2	-
PoE	802.3af/at

Hardware Overview – FortiAP U-Series

Indoor

	FAP-U321/323EV	FAP-U321/323EV	FAP-U421/423EV
Form Factor	Indoor, rectangular	Indoor, rectangular	Indoor, rectangular
Rx / Tx	2x2	3x3	4x4
Radio 1	5GHz a/n/ac (867 Mbps)	5GHz a/n/ac (2340Mbps)	5GHz a/n/ac (3460 Mbps)
Radio 2	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (800 Mbps)
PoE	802.3af/at	802.3af/at	802.3af/at
Antennas	4 internal / external + BT	6 internal / external + BT	8 internal / external + BT
Ethernet Interfaces	1 x GE RJ45	2 x GE RJ45	2 x GE RJ45

FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-11C	AC	✓ (Integrated power supply)	N/A	-	-
FAP-14C	AC	✓	SP-FAP14C-PA-XX	-	-
FAP-21D	AC	✓ (USB powered)	N/A	-	-
FAP-24D	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-25D	AC	✓ (Integrated power supply)	N/A	-	-
FAP-28C	AC	✓	SP-FG20C-PA-XX	-	-
FAP-112B	PoE Proprietary	✓	SP-FAP112B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-112D	PoE Proprietary	✓	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-210B	PoE 802.3af	✓	SP-FAP220B-PA-XX	✓	-
FAP-220B	PoE 802.3af	✓	SP-FAP220B-PA-XX	✓	-

FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-221B/223B	PoE 802.3af	-	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	✓	-
FAP-221C/223C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-221E/223E	PoE 802.3af	-	SP-FAP200-PA-XX	✓	-
FAP-222B/222C	PoE 802.3at/POE Proprietary	✓	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	-	-
FAP-222E	PoE 802.3at	✓	TBC	-	✓
FAP-224D	PoE 802.3af	✓	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	✓	-
FAP-224E	PoE 802.3at	-	N/A	-	✓
FAP-320B	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-320C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-321C	PoE 802.3af	-	SP-FG20C-PA-XX	✓	-
FAP-421E/423E	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓

FortiAP Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-231E	802.3.af 802.3.at	-	SP-FAP200-PA-XX	-	✓
FAP-321E	802.3.af 802.3.at	-	SP-FAP200-PA-XX	-	✓

FortiAP S-Series Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-S221E/223E	PoE 802.3af	-	SP-FAP200-PA-XX	✓	-
FAP-S311C/313C	PoE 802.3at	-	SP-FG20C-PA-XX	✓	✓ (to use USB port)
FAP-S321C/323C FAP-S321CR/323C	PoE 802.3at	-	SP-FG20C-PA-XX	-	✓
FAP-S322C/S322CR	PoE 802.3at	✓ (PoE injector + Power Adapter)	TBC	-	✓
FAP-S421E/423E	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-S422E	PoE 802.3at	✓ (PoE injector + Power Adapter)	TBC	-	✓

FortiAP U-Series Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-U221EV/223EV	PoE 802.3af	-	SP-FAP200-PA-XX	✓	-
FAP-U321EV/323EV	PoE 802.3af PoE 802.3at	-	SP-FAP200-PA-XX	-	✓
FAP-U431F/433F	PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-U421EV/423EV	PoE 802.3af PoE 802.3at	-	SP-FAP400-PA-XX	-	✓
FAP-U422EV	Proprietary 802.3at	✓ (Proprietary PoE injector)	-	-	✓

FortiAP C-Series Power Adaptors

	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support	GPI-130 Support
FAP-C220C/225C	PoE 802.3af	-	-	✓	-
FAP-C23JD	PoE 802.3af (wall Plate)	-	-	-	-
FAP-C24JE	PoE 802.3af (wall Plate)	-	-	-	-
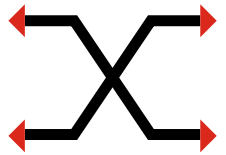
FortiSwitch

Introducing FortiSwitch

Access level Gigabit Switches with ease of use and low cost of ownership

FSW-1xxD/E Series

FSW-2xxD/E Series

FSW-4xxD Series

FSW-5xxD Series

Outstanding price, performance, and scalability to organizations with diverse operational needs.

Primary Benefits:

- ✓ High Port Density
- ✓ Integrated Power Over Ethernet
- ✓ Connect Access Points, Peripherals, Cameras, Phones
- ✓ Create an integrated, secure network

FortiSwitch Family

48 ports	FSW-148F-POE	FSW-248E-FPOE	FSW-448D/E-FPOE	FSW-548D-FPOE	
	FSW-148E/F-POE	FSW-248E-POE	FSW-448D/E-POE		
	FSW-148E/F	FSW-248D	FSW-448D/E	FSW-548D	FSW-1048E
26 / 32 ports			FSW-M426E-FPOE		FSW-3032E FSW-3032D
24 ports	FSW-124E/F-FPOE	FSW-224D-FPOE	FSW-424E-FPOE	FSW-524D-FPOE	
	FSW-124E/F-POE	FSW-224E-POE	FSW-424E-POE		
	FSW-124E/F	FSW-224E	FSW-424E FSW-424E-Fiber	FSW-524D	FSW-1024D
8 ports	FSW-108E-FPOE				
	FSW-108E-POE				
	FSW-108E				

100 Series	200 Series	400 Series	500 Series	1000/3000 Series
+ 4x 10GE SFP+ uplinks (148F Series) + 2 or 4x GE SFP uplinks (rest)	+ 4x GE SFP uplinks	+ 2 or 4 x10GE SFP+ uplinks	+ 4x 10GE SFP+ and 2x 40GE stacking	Data Center Switches

3

FortiSwitch 108E Series

① 7x GE RJ45 Ports	① 4x GE RJ45 Ports	① 8x GE RJ45 POE+ Ports
② 1x GE POE-PD RJ45 Ports	② 4x GE RJ45 POE+ Ports	② 2x GE SFP slots
③ 2x GE SFP slots	③ 2x GE SFP slots	
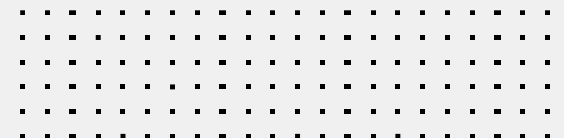
	FS-108E	**FS-108E-POE**	**FS-108E-FPOE**
Switch Capacity	20 Gbps	20 Gbps	20 Gbps
MAC Address Storage	8K	8K	8K
Network Latency (64b)	4 ms	4 ms	4 ms
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	65 W	130 W
Power Supply	Single PS/PoE-PD	Single PS	Single PS

FortiSwitch 124E Series

① 24 x GE RJ45 Ports
② 4x GE SFP slots

① 12x GE RJ45 Ports
② 12x GE RJ45 POE+ Ports
③ 4x GE SFP slots

① 24x GE RJ45 POE+ Ports
② 4x GE SFP slots
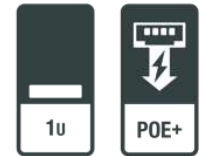
	FS-124E	FS-124E-POE	FS-124E-FPOE
Switch Capacity	56 Gbps	56 Gbps	56 Gbps
MAC Address Storage	8K	8K	8K
Network Latency (64b)	4 ms	4 ms	4 ms
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	185 W	370 W
Power Supply	Single PS	Single PS	Single PS
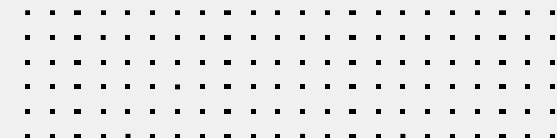
FortiSwitch 124F Series

① 24 x GE RJ45 Ports
② 4x 10GE SFP+ slots

① 12x GE RJ45 Ports
② 12x GE RJ45 POE+ Ports
③ 4x 10GE SFP+ slots

① 24x GE RJ45 POE+ Ports
② 4x 10GE SFP+ slots

	FS-124F	FS-124F-POE	FS-124F-FPOE
Switch Capacity	128 Gbps	128 Gbps	128 Gbps
MAC Address Storage	32K	32K	32K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	185 W	370 W
Power Supply	Single PS	Single PS	Single PS
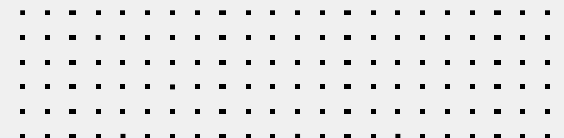
FortiSwitch 148E Series

① 48 x GE RJ45 Ports
② 4x GE SFP slots

① 24 x GE RJ45 Ports
② 24 x GE RJ45 POE Ports
③ 4x GE SFP slots

	FS-148E	FS-148E-POE
Switch Capacity	104 Gbps	104 Gbps
MAC Address Storage	16K	16K
Network Latency (64b)	<1 µs	<1 µs
VLANs Supported	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports
PoE Power Budget	-	370 W
Power Supply	Single PS	Single PS
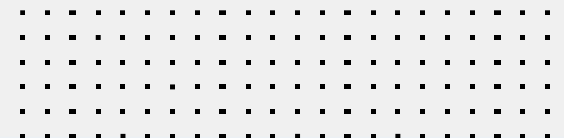
FortiSwitch 148F Series

① 48x GE RJ45 Ports
② 4x 10GE SFP+ Slots

① 24 x GE RJ45 Ports
② 24 x GE RJ45 POE+ Ports
③ 4x 10GE SFP+ Slots

① 48 x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP+ Slots

	FS-148F	FS-148F-POE	FS-148F-FPOE
Switch Capacity	176 Gbps	176 Gbps	176 Gbps
MAC Address Storage	32K	32K	32K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	N/A	370 W	740 W
Power Supply	Single PS	Single PS	Single PS
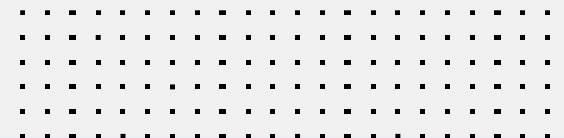
FortiSwitch 224D/E Series

① 24x GE RJ45 Ports
② 4x GE SFP Slots

① 12 x GE RJ45 Ports
② 12 x GE RJ45 POE+ Ports
③ 4x GE SFP slots

① 24 x GE RJ45 POE/POE+ Ports
② 4x GE SFP slots

	FS-224E	FS-224E-POE	FS-224D-FPOE
Switch Capacity	56 Gbps	56 Gbps	56 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	N/A	180 W	370 W
Power Supply	Dual Redundant PS	Single PS, Optional FRPS-740	Single PS, Optional FRPS-740

FortiSwitch 248D Series
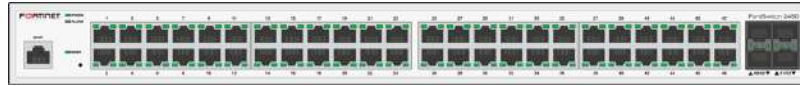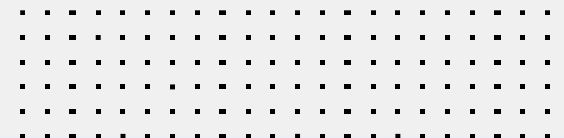
① 48 x GE RJ45 Ports
② 4x GE SFP slots

① 24 x GE RJ45 Ports
② 24 x GE RJ45 POE Ports
③ 2x GE SFP slots

	FS-248D	FS-248D-POE
Switch Capacity	104 Gbps	104 Gbps
MAC Address Storage	16K	16K
Network Latency (64b)	<1 µs	<1 µs
VLANs Supported	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports
PoE Power Budget	-	370 W
Power Supply	Single PS	Single PS

FortiSwitch 248E Series

① 24x GE RJ45 Ports
② 24x GE PoE/PoE+ Ports
③ 4x GE SFP Slots

① 48 x GE PoE/PoE+ RJ45 Ports
② 4x GE SFP slots
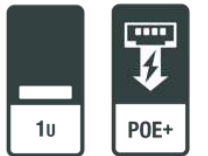
	FS-248E-POE	FS-248E-FPOE
Switch Capacity	104 Gbps	104 Gbps
MAC Address Storage	16K	16K
Network Latency (64b)	<1 µs	<1 µs
VLANs Supported	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports
PoE Power Budget	370 W	740 W
Power Supply	Single PS, Optional FRPS-740	Single PS, Optional FRPS-740
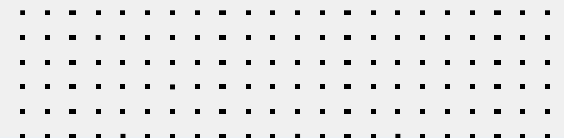
FortiSwitch 424E Series

① 24x GE RJ45 Ports
② 4x 10GE SFP+ slots

① 24x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots
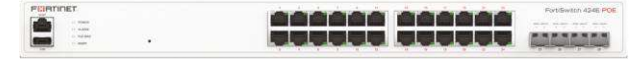
① 24x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots

	FS-424E	FS-424E-POE	FS-424E-FPOE
Switch Capacity	128 Gbps	128 Gbps	128 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	250 W	421 W
Power Supply	Dual Redundant PS	Dual Redundant PS	Dual Redundant PS

FortiSwitch 424E-Fiber

① 4x GE/10GE SFP/SFP+ slots
② 24x GE SFP ports
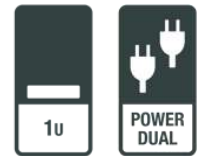
Switch Capacity	128 Gbps
MAC Address Storage	32 K
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 8 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS
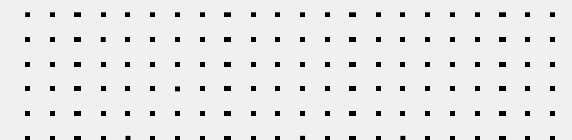
FortiSwitch M426E-FPOE
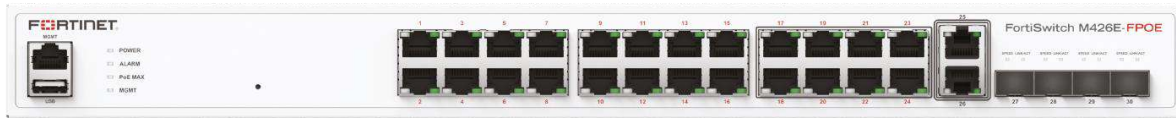
① 4x GE/10GE SFP/SFP+ slots
② 2x 5GE RJ45 ports
③ 8x 2.5GE RJ45 ports
④ 16x GE RJ45 ports
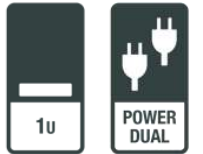
Switch Capacity	172 Gbps
MAC Address Storage	16 K
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 8 ports
PoE Power Budget	420 W
Power Supply	Dual Redundant PS

FortiSwitch 448D Series
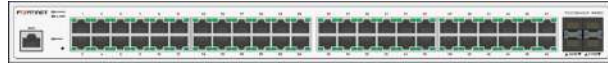
① 48x GE RJ45 Ports
② 4x 10GE SFP+ slots

① 48x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots

① 48x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots

	FS-448D	FS-448D-POE	FS-448D-FPOE
Switch Capacity	176 Gbps	176 Gbps	176 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 µs	<1 µs	<1 µs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	185 W	370 W
Power Supply	Dual Redundant PS	Single PS, Optional FRPS-740	Dual Redundant PS

FortiSwitch 448E Series

① 48x GE RJ45 Ports
② 4x 10GE SFP+ slots

① 48x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots

① 48x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP slots

	FS-448E	FS-448E-POE	FS-448E-FPOE
Switch Capacity	128 Gbps	128 Gbps	128 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64b)	<1 μs	<1 μs	<1 μs
VLANs Supported	4K	4K	4K
Max LAG Size	up to 8 ports	up to 8 ports	up to 8 ports
PoE Power Budget	-	421 W	772 W
Power Supply	Dual Redundant PS	Dual Redundant PS	Dual Redundant PS
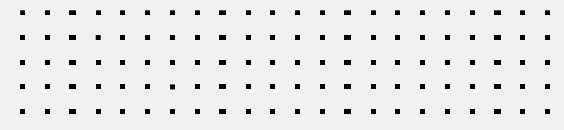
FortiSwitch 524D Series

① 24x GE RJ45 Ports
② 4x 10GE SFP+ slots
③ 2x 40GE stacking interface
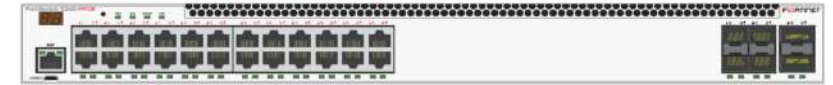
① 24x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP+ slots
③ 2x 40GE stacking interface
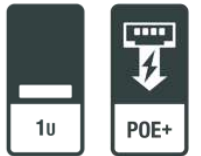
	FS-524D	FS-524D-FPOE
Switch Capacity	288 Gbps	288 Gbps
MAC Address Storage	96K	96K
Network Latency (64b)	<2 µs	<2 µs
VLANs Supported	4K	4K
Max LAG Size	up to 24 ports	up to 24 ports
PoE Power Budget	-	400 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-600
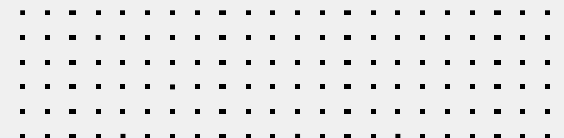
FortiSwitch 548D Series
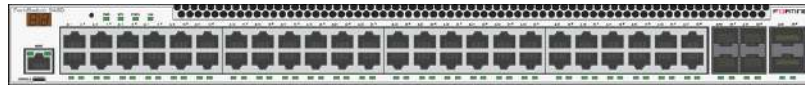
① 48x GE RJ45 Ports
② 4x 10GE SFP+ slots
③ 2x 40GE stacking interface

① 48x GE RJ45 POE/POE+ Ports
② 4x 10GE SFP+ slots
③ 2x 40GE stacking interface

	FS-548D	FS-548D-FPOE
Switch Capacity	336 Gbps	336 Gbps
MAC Address Storage	96K	96K
Network Latency (64b)	<2 µs	<2 µs
VLANs Supported	4K	4K
Max LAG Size	up to 24 ports	up to 24 ports
PoE Power Budget	-	750 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-900

FortiSwitch 1048E
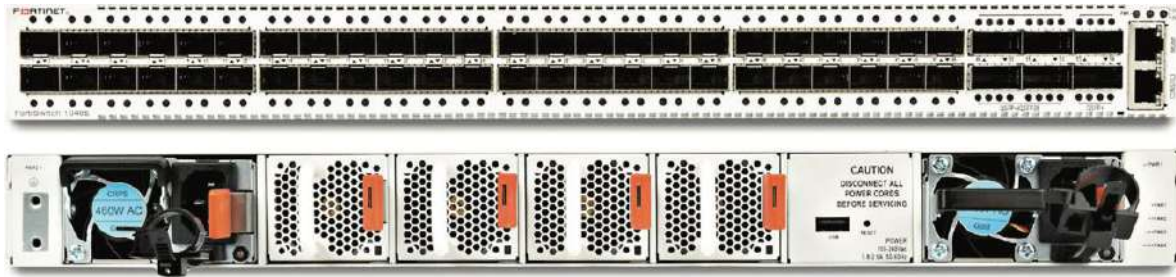
① 4x 40/100GE QSFP28 slots
② 6x 40GE QSFP+ slots
③ 48x GE/10GE SFP/SFP+ slots
④ 1x GE RJ45 Mgmt port
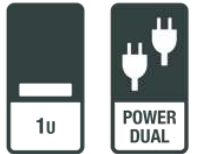
Switch Capacity (Duplex)	1760 Gbps
MAC Address Storage	144,000
Network Latency (64b)	<800 ns
VLANs Supported	4096
Max LAG Size	up to 48 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS
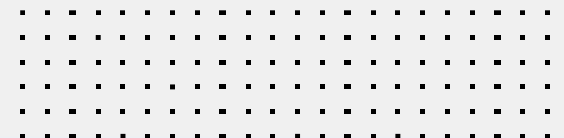
FortiSwitch 3032D
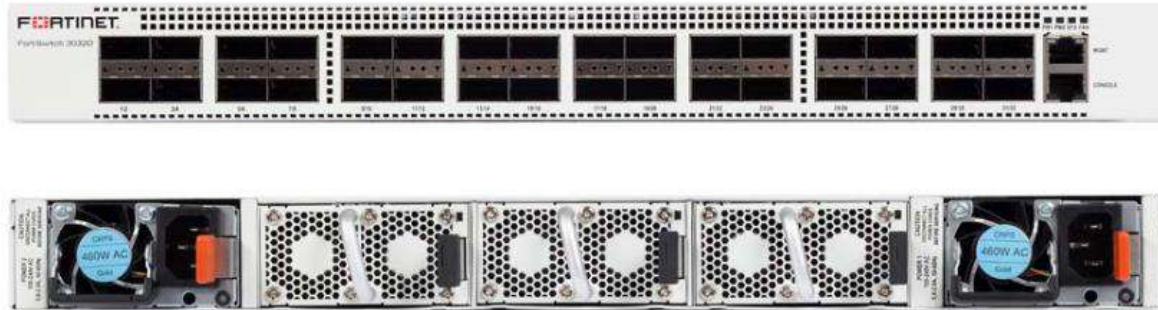
① 32x 40GE QSFP+ slots
② 1x GE RJ45 Mgmt port
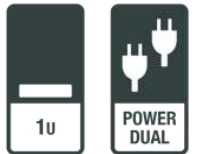
Switch Capacity (Duplex)	2560 Gbps
MAC Address Storage	128,000
Network Latency (64b)	<1 μs
VLANs Supported	4096
Max LAG Size	up to 24 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS

FortiSwitch 3032E
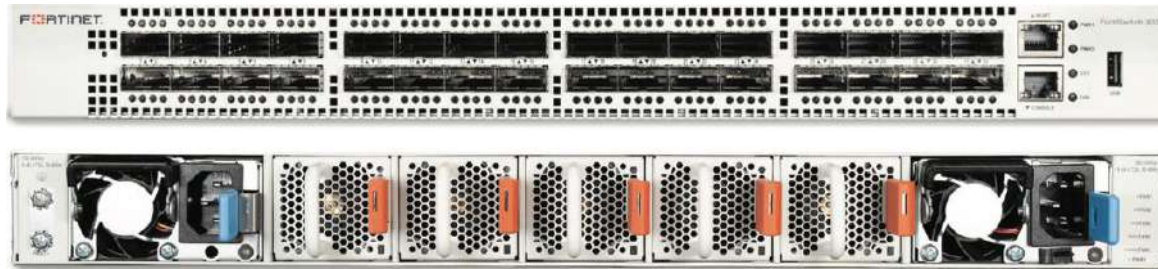
① 32x 40/100GE QSFP28 slots
② 1x GE RJ45 Mgmt port
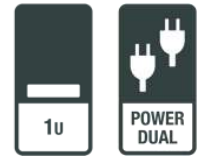
Switch Capacity (Duplex)	6400 Gbps
MAC Address Storage	40,000
Network Latency (64b)	<1 µs
VLANs Supported	4096
Max LAG Size	up to 48 ports
PoE Power Budget	-
Power Supply	Dual Redundant PS
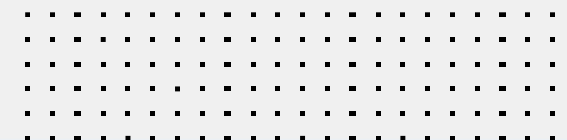
FortiSwitch Series – Secure Access Switches (I)

	FS-108E	FS-108E-POE	FS-108E-FPOE
GE Ports	7x RJ45, 1x RJ45 PoE-PD 2x SFP	4x RJ45 2x SFP	2x SFP
PoE GE Ports	-	-	-
PoE/+ GE Ports	-	4	8
10GE SFP+ slots	-	-	-
Shared Ports (pair)	-	-	-
Power Budget	-	65 W	130 W
Power Supply	Single AC/PoE-PD	Single AC	Single AC

FortiSwitch Series – Secure Access Switches (II)

	FS-124E	FS-124E-POE	FS-124E-FPOE
GE Ports	24x RJ45, 4 x SFP	12x RJ45, 4 x SFP	4 x SFP
PoE GE Ports	-	-	-
PoE/+ GE Ports	-	12	24
Power Budget	-	185 W	370 W
Power Supply	Single AC	Single AC	Single AC

FortiSwitch Series – Secure Access Switches (III)

	FS-224E	FS-224E-POE	FS-224D-FPOE
GE Ports	24x RJ45, 4x SFP	12x RJ45, 4x SFP	4x SFP
PoE GE Ports	-	-	-
PoE/+ GE Ports*	-	12	24
Shared Ports (pair)	-	-	-
Power Budget	-	180 W	370 W
Power Supply	Dual Redundant PS	Single AC, Optional FRPS-740	Single AC, Optional FRPS-740

FortiSwitch Series – Secure Access Switches (IV)

	FS-248D	FS-248D-POE	FS-248E-POE	FS-248E-FPOE
GE Ports	48x RJ45 4x SFP	24x RJ45 2x SFP	24x RJ45 4x SFP	4x SFP
PoE GE Ports	-	24	-	-
PoE/+ GE Ports	-	-	24	48
Power Budget	-	370 W	370 W	740 W
Power Supply	Single PS	Single PS	Single AC, Optional FRPS-740	Single AC, Optional FRPS-740

FortiSwitch Series – Secure Access Switches (V)

	FS-424D	FS-424D-POE	FS-424D-FPOE	FS-448D	FS-448D-POE	FS-448D-FPOE
GE Ports	24	-	-	48	-	-
PoE/+ GE Ports	-	24	24	-	48	48
10GE SFP+ slots	2	2	2	4	4	
Power Budget	-	185 W	370 W	-	370 W	740 W
Power Supply	Dual Redundant AC	Single AC, Optional FRPS-740	Single AC, Optional FRPS-740	Dual Redundant AC	Single AC, Optional FRPS-740	Dual Redundant AC

FortiSwitch Series – Secure Access Switches (VI)

	FS-524D	FS-524D-FPOE	FS-548D	FS-548D-FPOE
GE Ports	24	-	48	-
PoE/+ GE Ports	-	24	-	48
10GE SFP+ slots	4	4	4	4
40GE QSFP+ slots	2	2	2	2
Power Budget	-	500 W	-	750 W
Power Supply	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-600	Single PS, Optional FS-PSU-150	Single PS, Optional FS-PSU-900

FortiSwitch Series – Data Center Switches

	FSW-1024D	FSW-1048D	FSW-1048E	FSW-3032D	FSW-3032E
GE Ports	1x mgmt	1x mgmt	1x mgmt	1x mgmt	1x mgmt
PoE GE Ports	-	-	-	-	-
10GE Ports	24 (1G/10G)	48 (1G/10G)	48 (1G/10G)	-	-
40GE Ports	-	4	2	32	-
100GE Ports	-	-	4 (40G/100G)	-	32 (40G/100G)
Power Budget	-	-	-	-	-
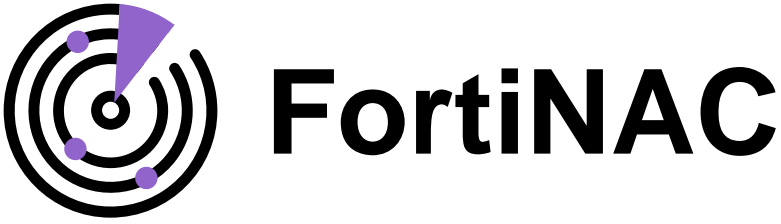
FortiNAC

Introducing FortiNAC

Appliance Virtual Machine

Provides Visibility of Users and End points for Enterprise Networks and Automates Threat Response

- Device identification and profiling
- Simplified guest access with self-registration
- Continuous risk assessment
- Micro-segmentation of endpoints
- Automated response to identified risks
- Orchestration of 3rd party devices

Continuous device profiling

1. Printer connected to network → 2. MAC notification trap triggers FortiNAC → 3. FortiNAC Profiles device as printer → 4. FortiNAC Informs Fabric to allow Printer-type access to network
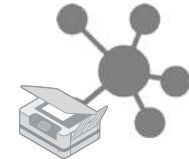
Containment of lateral threats at Edge

1. User brings infected laptop to work → 2. FGT sends event to FortiNAC → 3. FortiNAC quarantines the laptop at access layer → 4. Virus contained at switch node

FortiNAC Series

	FNC-CA-500C	FNC-CA-600C	FNC-CA-700C	FNC-R-650C	FNC-M-550C
Type	Mid-range Control and Application Server	High Performance Control and Application Server	Ultra High Performance Control and Application Server	Reporting and Analytics Server	Centralized Management Appliance
Target Environment	Small Environments	Medium Environments	Large Environments with few Persistent Agents	Multi-site environments with multiple appliances	Multi-site environments with multiple appliances
Capacity	Manages up to 1,000 ports in the network*	Manages up to 7,500 ports in the network*	Manages up to 15,000 ports in the network*	Unlimited	Unlimited

Virtual appliances are also available, please refer to www.fortinet.com for more information

FortiSandbox

Introducing FortiSandbox

Appliance | Virtual Machine | Hosted | Cloud

Advanced Threat Protection solution designed to identify and thwart the highly targeted and tailored attacks

Independently top-rated

Broad integration

Intelligent automation

All-in-one

Flexible deployment

Open extensibility

FortiGuard Labs

4 Security Updates

3b Intelligence Sharing

FortiSandbox

1 File Submission/ Result

3a Real-time Intelligence Updates

1 File Submission/ Result

2a Block Objects

FortiGate/FortiMail/FortiWeb/FortiADC/FortiProxy/ICAP Device

FortiClient (ATP Agent)
Third-party Endpoint Agent
{json api}

2a File Quarantine

2b Quarantine Devices

2c Forensics and Response

FortiSandbox Series

FortiSandbox	FSA-500F	FSA-1000F/-DC	FSA-2000E	FSA-3000E	FSA-VM
VM Sandboxing (Files/Hour)	120	280	480	1,120	Hardware Dependent
Sandbox Pre-Filter (Files/Hour)	4,500	7,500	12,000	15,000	Hardware Dependent
Number of VMs	2+4 optional	2+12 optional	4+20 optional	8 + 48 optional	Total: 1 to 54
Interfaces	4x GE RJ45 ports	4x GE RJ45 ports, 4x 10GE SFP+ slots	4x GE RJ45 ports, 2x 10GE SFP+ slots	4x GE RJ45 ports, 2x 10GE SFP+ slots	Hardware Dependent

FortiClient

Introducing FortiClient

Comprehensive end-point protection & security enforcement

Broad endpoint visibility

Endpoint compliance and vulnerability management

Proactive endpoint defense

Automated threat containment

Secure remote access

Easy to deploy and manage
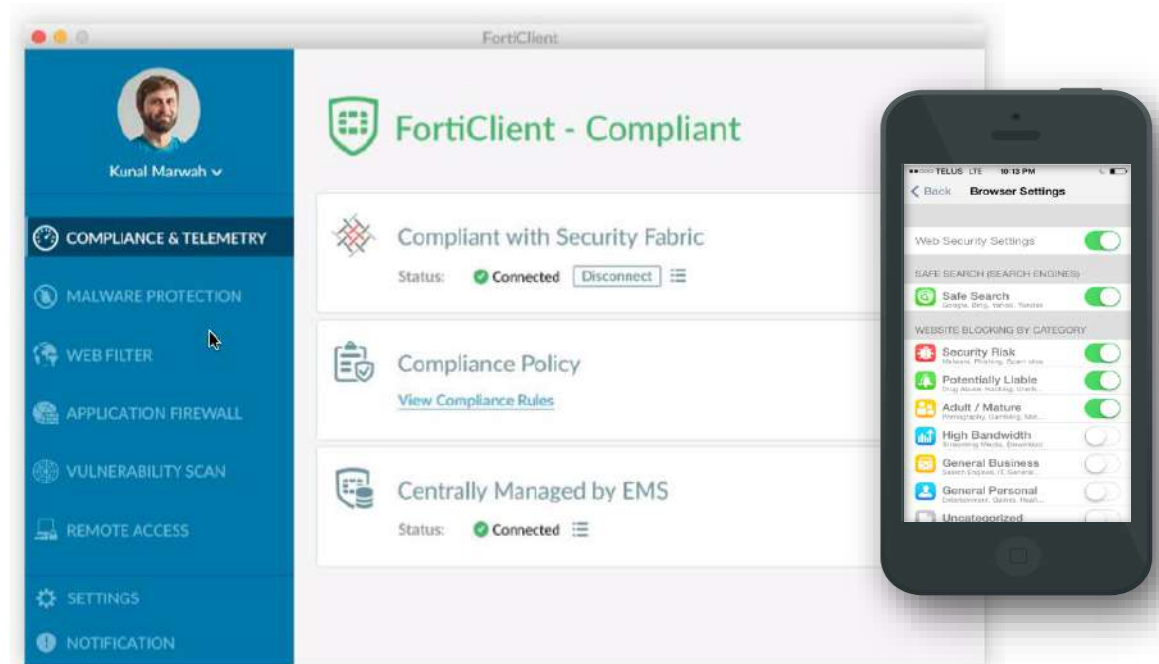
FortiClient V6.2

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Security Fabric Components						
Endpoint Telemetry[1]	✓	✓	✓	✓	✓	✓
Compliance Enforcement using Dynamic Access Control[1]	✓	✓	✓	✓		✓
Endpoint Audit and Remediation with Vulnerability Scanning[1]	✓	✓				✓
Automated Endpoint Quarantine	✓	✓				

FortiClient V6.2

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Host Security and VPN Components						
Antivirus	✓	✓				✓
Cloud-based Threat Detection	✓					
Anti-Exploit	✓					
Sandbox Detection (On-prem)	✓	✓				✓ (limited)
Sandbox Detection (Cloud)	✓					
Web Filtering	✓	✓	✓	✓	✓	
Application Firewall	✓	✓				
IPSec VPN	✓	✓	✓			
SSL VPN	✓	✓	✓	✓		✓

FortiClient V6.2

	Windows	Mac OSX	Android	iOS	Chromebook	Linux
Others						
Remote Logging & Reporting	✓	✓		✓	✓	✓
Windows AD SSO Agent	✓	✓				
USB Device Control	✓	✓				✓
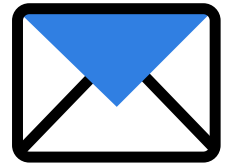
FortiMail

Introducing FortiMail

Advanced anti-spam and antivirus filtering solution, with extensive quarantine and archiving capabilities.

Top-rated Antispam and Antiphishing

Independently certified advanced threat defense

Integrated data protection

Enterprise-class management

High-performance mail handling

URI Click Protection

Content Disarm & Reconstruction

URI and Attachment Sandboxing

Impersonation Detection

FortiMail

Mail Servers

Internet

ICSAlabs CERTIFIED ANTI-SPAM

ICSAlabs CERTIFIED ANTI-VIRUS

TOLLY Up to Spec CERTIFIED

vb 100 VIRUS virusbtn.com
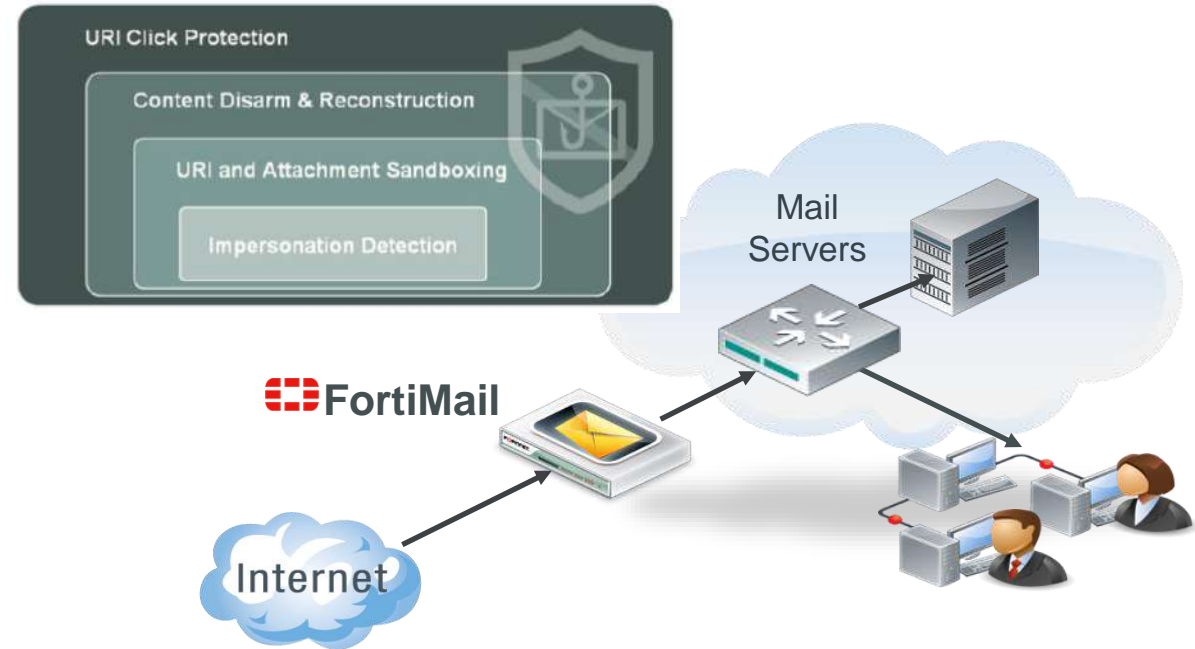
FortiMail Series

FortiMail	FML-60D	FML-200F	FML-400F	FML-900F	FML-2000E	FML-3000E	FML-3200E
Email Domains	2	20	100	800	800	2,000	2,000
Server Mode Mailboxes	50	150	400	1,500	1,500	3,000	3,000
Email Routing* (Msg/hr)	3.6 K	50 K	250 K	800 K	1.5 Mil	2.5 Million	3.4 Million
FortiGuard Enterprise ATP* (Msg/hr)	2.7 K	30 K	150 K	400 K	700 K	1.5 Million	2.0 Million
GE RJ45 ports	4	4	4	4	4	4	4
GE SFP Slots	-	-	-	2	2	2	2
10 GE SFP+ Slots	-	-	-	-	-	-	2
Storage capacity	1x 500GB	1x 1TB	2x 1TB	2x 2 TB (2x 2 TB Optional)	2x 2 TB (6x 2 TB Optional)	2x 2TB (10 x 2 TB Optional)	2x 2 TB (10x 2 TB Optional)
Form Factor	Desktop	Rack Mount, 1RU	Rack Mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU	Rack Mount, 2RU	Rack Mount, 2RU

* Based on 100KB message size, no queuing

FortiMail-VM Series

FortiMail	FML-VM00	FML-VM01	FML-VM02	FML-VM04	FMG-VM08	FMG-VM016	FMG-VM32
Email Domains	2	20	100	800	2,000	2,000	2,000
Server Mode Mailboxes	50	150	400	1,500	3,000	3,000	3,000
Email Routing* (Msg/hr)	3,600	34,000	67,000	306,000	675,000	875,000	1,200,000
FortiGuard Antispam+AV* (Msg/hr)	2,700	30,000	52,000	225,000	585,000	817,000	1,100,000
Max vCPU supported	1	1	2	4	8	16	32
Max vNICs	4	4	4	4	4	6	6
Storage capacity (Min/Max)	50 GB / 1 TB	50 GB / 1 TB	50 GB / 2 TB	50 GB / 4 TB	50 GB / 8 TB	50 GB / 12 TB	50 GB / 24 TB
Memory required (Min/Max)	1 GB / 2 GB	1 GB / 2 GB	1 GB / 4 GB	1 GB / 8 GB	1 GB / 16 GB	1 GB / 128 GB	1 GB / 128 GB

* Based on 100KB message size, no queuing

FortiWeb

Introducing FortiWeb

Web application firewall to protect, balance, and accelerate web applications

✓ Feature-rich product that consolidates NGFW and SWG services

Powerful hardware that can perform SSL deep inspection

Anti-malware techniques updated with the latest threat intelligence

single pane of glass management

Effectively remove blind spots in encrypted traffic

Stay protected against the latest known and unknown attacks

WCCP External WAF ON

FortiGate

FortiSandbox

HTTP Traffic

Quarantined IPs

Files for Inspection

FortiWeb

Web Server

Third-Party Scanners
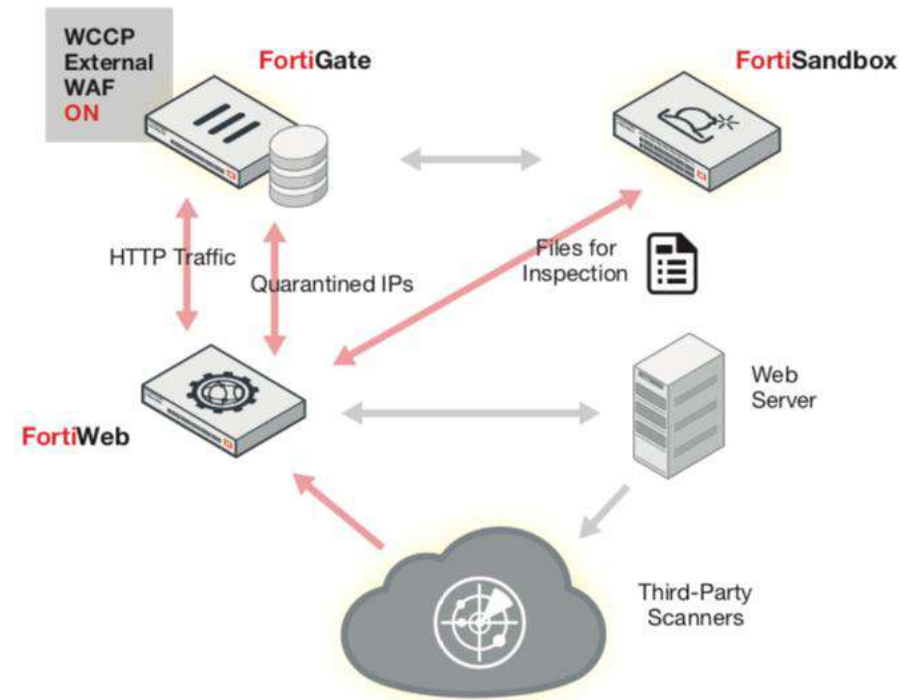
FortiWeb Series

FortiWeb	FWB-100E	FWB-400E	FWB-600E	FWB-1000D	FWB-1000E
Throughput	50 Mbps	250 Mbps	750 Mbps	1 Gbps	1.3 Gbps
GE RJ45 ports	4	4	2 + 2 Bypass	2 + 4 Bypass	2 + 4 Bypass
GE SFP slots	-	4	4	2	4
10GE SFP+	-	-	-	-	2
Storage capacity	32 GB	480 GB	480 GB	2x 2 TB	2x 1 TB
Form Factor	Desktop	1RU	1RU	2RU	2RU

FortiWeb	FWB-2000E	FWB-3000E	FWB-3010E	FWB-4000E
Throughput	2.5 Gbps	5 Gbps	5 Gbps	20 Gbps
GE RJ45 ports	4 Bypass	4 + 4 Bypass	4+ 4 Bypass	4+ 4 Bypass
GE SFP slots	4	4	4	4
10GE SFP+	2	4	2+ 2 Bypass	2+ 2 Bypass
Storage capacity	2x 1 TB	2x 2 TB	2x 2 TB	2x 2 TB
Form Factor	2RU	2RU	2RU	2RU

FortiWeb-VM and Container Series

FortiWeb-VM	FWB-VM01	FWB-VM02	FWB-VM04	FWB-VM08
HTTP Throughput	25 Mbps	100 Mbps	500 Mbps	2 Gbps
Max vCPU Supported	1	2	4	8
Memory required (Min/Max)	1 GB / Unlimited			
Storage capacity (Min/Max)	40 GB / 2 TB			

FortiWeb Container	FWB-VMC01	FWB-VMC02	FWB-VMC04	FWB-VMC08
HTTP Throughput	25 Mbps	100 Mbps	500 Mbps	2 Gbps
Memory required (Min)	4 GB			
Storage capacity (Min/Max)	30 GB / 500 GB			

FortiADC

Introducing FortiADC

Optimize the availability, performance and scalability of mobile, cloud and enterprise application delivery

Layer 7 Load Balancing

Secure Traffic Management

Application Optimization

Security Fabric Integration

Global Server Load Balancing

Value-added Security Features

Web Application Servers

Internet
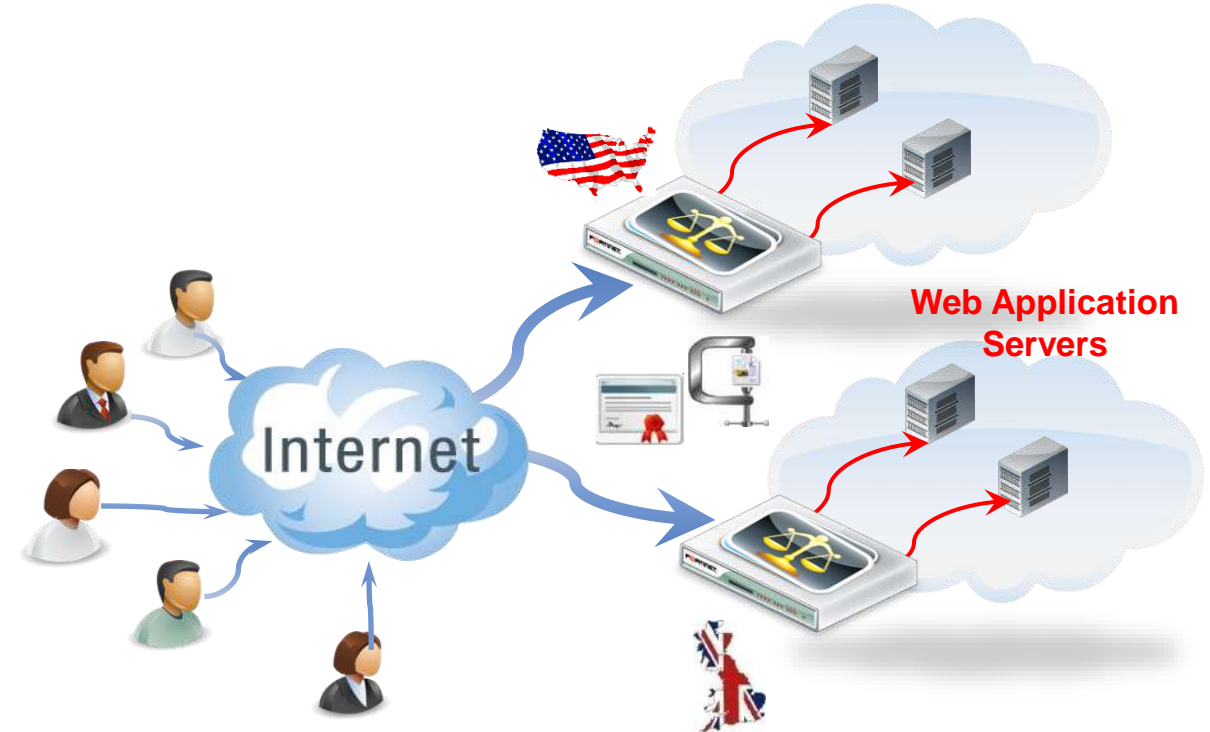
FortiADC Series

FortiADC	FAD 100F	FAD 200F	FAD 300F	FAD 400F	FAD 1200F	FAD 2200F	FAD 4200F	FAD 5000F
L4 Throughput	1.5 Gbps	3 Gbps	8 Gbps	15 Gbps	40 Gbps	60 Gbps	100 Gbps	200 Gbps
L7 Throughput	1.3 Gbps	2.2 Gbps	? Gbps	12 Gbps	30 Gbps	35 Gbps	80 Gbps	12\50 Gbps
L4 CPS	50,000	100,000	300,000	400,000	1 Million	1.2 Million	1.8 Million	2.5 Million
L4 HTTP RPS	150,000	300,000	1 Million	1.5 Million	3 Million	4 Million	5 Million	7.5 Million
L4 Concurrent Connection	3 Million	5 Million	12 Million	12 Million	36 Million	72 Million	144 Million	160 Million
SSL Bulk Encryption Throughput	400 Mbps	1 Gbps	3 Gbps	6 Gbps	20 Gbps	25 Gbps	50 Gbps	50 Gbps
Total Interfaces	6x GE RJ45	4x GE RJ45 2x GE SFP	4x GE RJ45 4x GE SFP	2x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	8x 10 GE SFP+, 8x GE SFP, 8x GE RJ45	12x 10 GE SFP+, 8x GE SFP	4x 40 GE QSFP+, 8x 10GE SFP+	4x 100 GE QSFP28, 8x 40 GE QSFP
Power Supply	Single	Single	Single	Single (optional Dual)	Dual	Dual	Dual	Dual

FortiADC-VM Series

FortiADC	FAD-VM01	FAD-VM02	FAD-VM04	FAD-VM08	FAD-VM16	FAD-VM32
L4 Throughput	1 Gbps	2 Gbps	4 Gbps	10 Gbps	16 Gbps	24 Gbps
VDOM	0	0	5	10	15	20
vCPU support (Max)	1	2	4	8	16	32
Memory support (Max)	4 GB	4 GB	8 GB	16 GB	32 GB	64 GB

FortiCASB

Introducing FortiCASB

Hosted Service Designed to Provide Visibility, Insight, and Control for SaaS Applications

API-Based

Compliance and DLP

User Insights and Policies

Security Fabric Integration

Shadow IT Discovery

Advanced Analytics
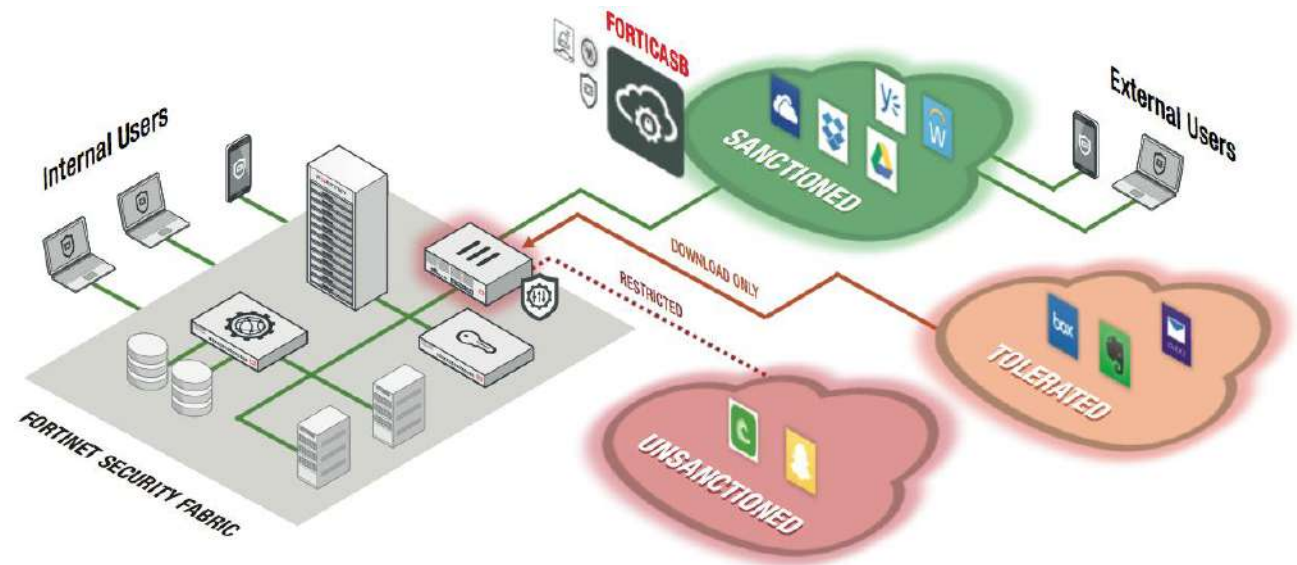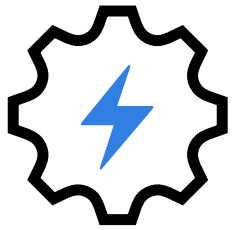
FortiCWP

Introducing FortiCWP

Cloud Security Analytics and Posture Management

- API-Based
- DevOps Integration
- Customizable Threat Discovery
- Comprehensive Analytics
- Compliance Reporting and Policies
- Cloud Blind Spot Elimination
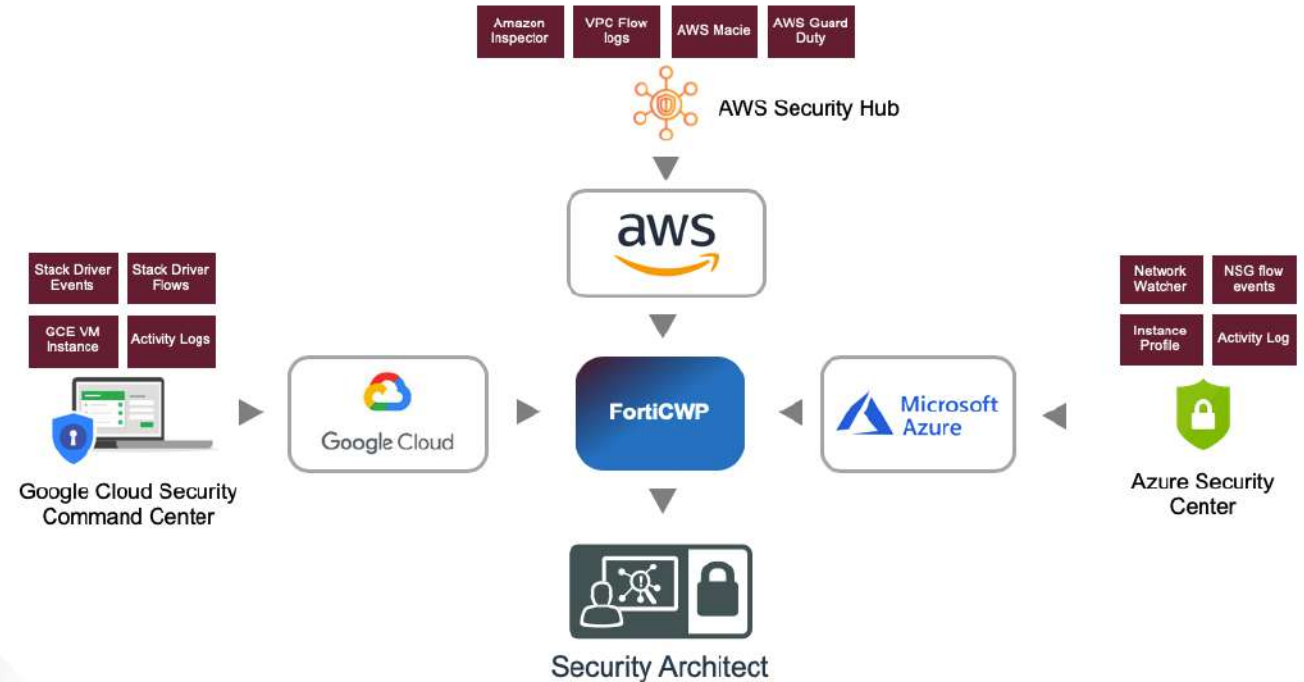
FortiDDoS

Introducing FortiDDoS

Hardware Accelerated DDoS Intent Based Defense

(SPU)-based layer 3, 4, and 7 DDoS protection

Behavior-based DDoS protection to eliminate need for signature files

Minimal false-positive detections through continuous threat evaluation

Ability to monitor enormous parameters simultaneously

Advanced defense against bulk volumetric, layer 7 applications

Attack protection for DNS services via specialized tools

ISP 1

ISP 2

FortiDDoS

Web Hosting Center

Firewall

→ Legitimate Traffic
⇢ Malicious Traffic
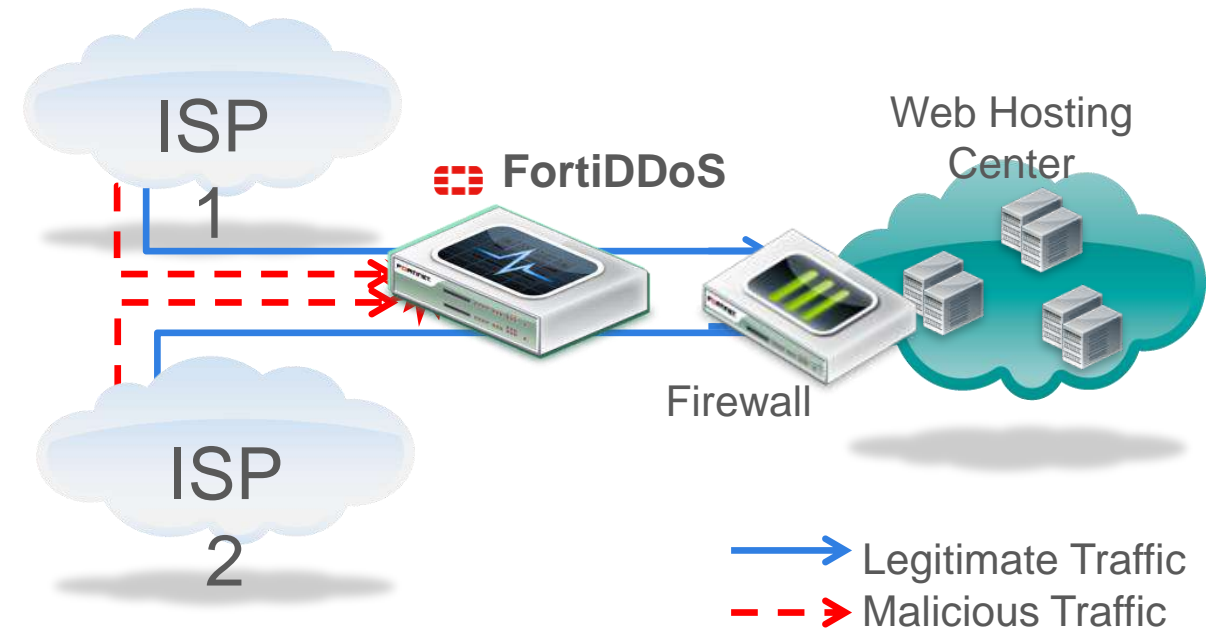
FortiDDoS Series

	FDD-200F	FDD-400B	FDD-1200B	FDD-1500E	FDD-1500F	FDD-2000E
Throughput (Full Duplex)	8 Gbps	6 Gbps	36 Gbps	35 Gbps	30 Gbps	70 Gbps
Simultaneous Connections	4.2 Mil	1 Mil	6 Mil	12 Mil	16.7 Mil	25 Mil
Session Setup/ Teardown	375,000 / Second	100,000 / Second	600,000 / Second	>1.5M /Second	700,000/Second	>3M /Second
Latency	< 50 µs	< 50 µs	< 50 µs	< 50 µs	< 50 µs	< 50 µs
Interfaces	8 LAN/WAN Interfaces (Copper/SFP), 4 LAN & WAN bypass 10GE SFP/+	8 LAN Interfaces (Copper/SFP), 8 WAN Interfaces (Copper/SFP)	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 10GE SFP/+	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 100GE QSFP28	4x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 10GE SFP/+	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 100GE QSFP28
Advanced DNS Mitigation	Yes	Yes	Yes	Yes	Yes	Yes

FortiDeceptor

Introducing FortiDeceptor

Appliance

Virtual Machine

Automated Detection and Response to External and Internal Threats

GUI driven threat map quickly uncovers threat campaigns targeting your organization

Security infrastructure integration provides real-time blocking of attackers before real damage occurs

Centrally manage and automate the deployment of deception VMs and decoys
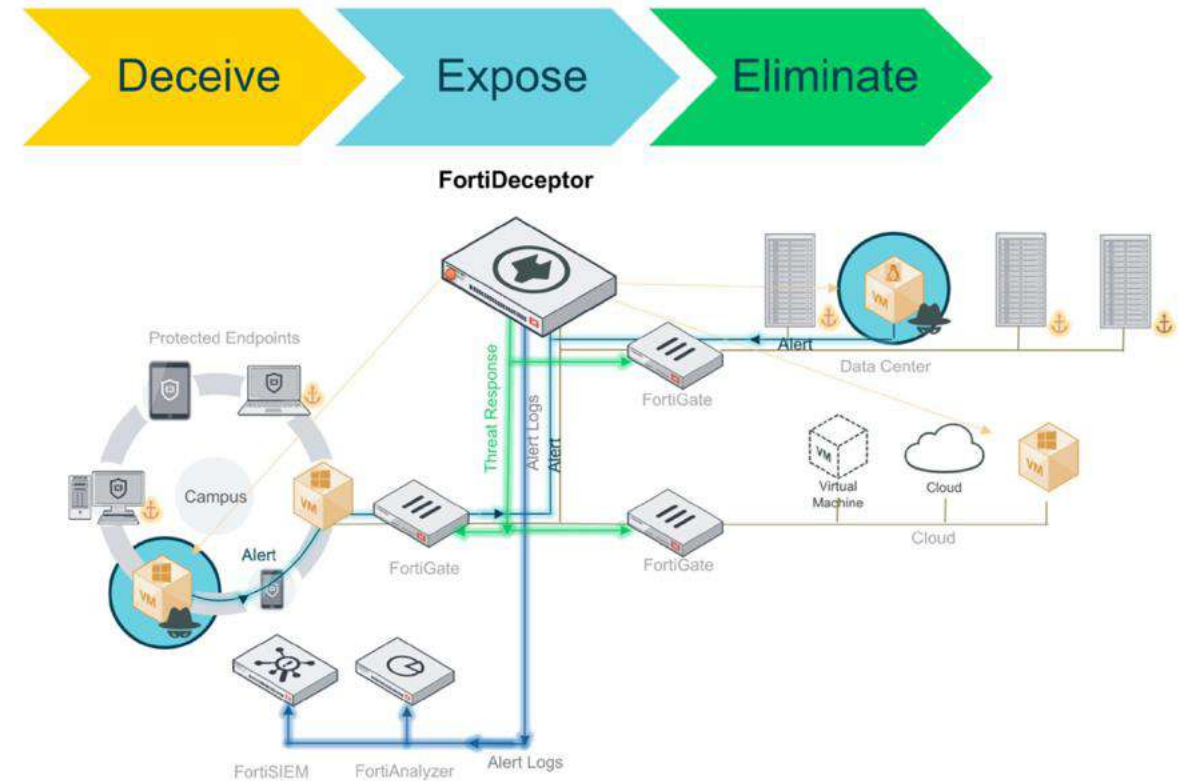
FortiDeceptor Series

	FDC-1000F	FDC-VM
VM Instance support (Maximum) *	16 Win / 16 Linux / Mix	16 Win / 16 Linux / Mix
VLANs support (Maximum)	32	32
Deception VMs Shipped *	2 Win (1 x Win7 & 1 x Win10) and 8 Linux	0
Interfaces	4 x GE RJ45, 4 x GE SFP	6 Virtual
Storage Capacity	2TB (2 x 1TB HDD)	200GB to 16TB
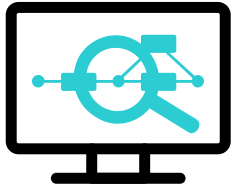
FortiEDR

Introducing FortiEDR

Advanced, automated endpoint protection, detection, and response

- Discover, Predict, Prevent
- Detect and Defuse in Real Time
- Playbook-based Incident Response
- Real Time and Automatic
- Efficient Security Operations
- Minimize Business Impact

FortiIsolator

Introducing FortiIsolator

Secure Web Access by Browser Isolation

Safely access internet content

Clientless browser access, removing dependencies on specific devices or applications

Security Fabric integration with FortiGate and FortiMail

Boost Productivity by quickly renders safe web content for the end users

Secure Valuable Data by adding layer of advanced protection
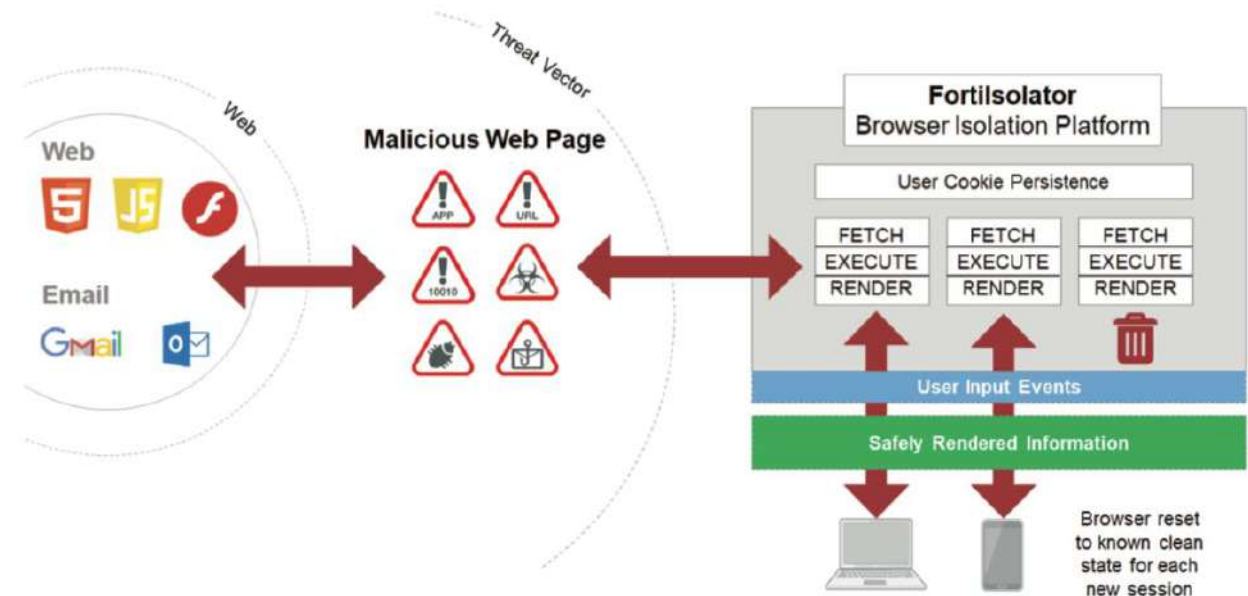
FortiIsolator Series

	FIS-1000F	FIS-VM
Concurrent Browser Sessions	250*	Base VM license includes 2 concurrent sessions annual subscription basis in blocks of 50 sessions
Supported Browsers	Chrome, Firefox, Microsoft Edge, Microsoft Internet Explorer, Safari, Opera	
Integration Methods	Proxy, URL Rewrite, Transparent Inline	

* 20% of the sessions are video sessions

FortiProxy

Introducing FortiProxy

Reduce the cost and impact of downloaded content, while increasing performance by improving the speed of access

Accelerated SSL deep inspection

Protection against sophisticated web attacks

Authenticated web application control

WAN Optimization and Advanced Caching

Internal User
Web Application Servers
FortiWeb
Internal User
FortiGate
FORTIPROXY
Internet
External User
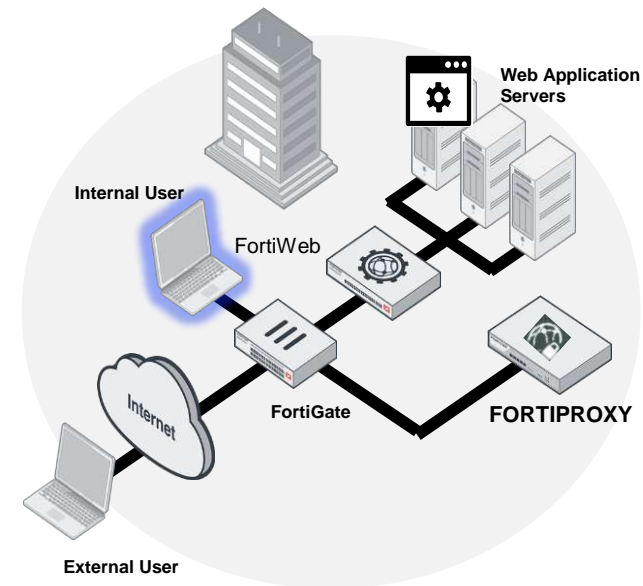
FortiProxy Series

	FPX-400E	FPX-2000E	FPX-4000E
User License	500 – 4,000	2,500 – 15,000	10,000 - 50,000
Total Interfaces	4x GE RJ45	2 x GE RJ45 2 x GE RJ45 bypass 2 x GE SFP 2 x 10GE SFP+	4 x GE RJ45 2 x GE RJ45 bypass 2 x GE SFP 4 x 10GE SFP+
Storage Capacity	2x 2 TB	4x 2 TB (16 TB Max)	4x 2 TB (24 TB Max)

	FPX-VM01	FPX-VM02	FPX-VM04	FPX-VM08	FPX-VM16	FPX-UL
License Capacity	100 users	100 – 500 users	100 – 2,500 users	100 – 10,000 users	100 – 25,000 users	100 – 50,000 users
Total Interfaces (Max)	10	10	10	10	10	10
CPU, memory, storage	2 CPU, 2 GB RAM, 1 Disk	4 CPU, 4 GB RAM, 2 Disk	8 CPU, 8 GB RAM, 2 Disk	16 CPU, 32 GB RAM, 4 Disk	32 CPU, 64 GB RAM, 8 Disk	Unlimited CPU, Unlimited GB RAM, 16 Disk
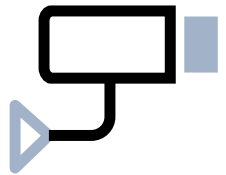
FortiRecorder & FortiCamera

Introducing FortiRecorder and FortiCam

AI-enabled video surveillance for secure and safer workplaces

Multiple recording options: continuous, event-based, scheduled, manual

Access to live and recorded video from mobile apps and browsers

Recorder available as hardware or VM deployment

Large range of cameras to fit any environment, all powered with PoE

Free professional-grade video management system (VMS)

RADIUS, LDAP, SNMP, and remote data storage support

FortiRecorder Network Video Recorders

	FRC-100D	FRC-400F	FRC-VM
Camera Capacity	16	64	1024
Form Factor	Desktop	1 RU	VM
Total Interface	3x GE RJ45	3x GE RJ45	1 to 4 network cards supported
Storage	1 TB	1x 4 TB (4x 8 TB max.)	Unrestricted
Features		• Web-based interface simplifies configuration and management • Comprehensive video management system • Intelligent video analysis with AI-enabled detection • Camera live view and video playback • Event monitor with timeline • Email notifications with snapshot preview • Integrated with Fortinet Security Fabric products • Secure proxy for 3rd party cameras	
Management Tools		FortiCentral (Windows) FortiRecorder Mobile Apps (iOS, Android)	

FortiCam Surveillance Cameras

	FCM-MB40	FCM-MD50B	FCM-FD50	FCM-PD50
Description	Day/Night Mini Box IP Camera for Indoor	Day/Night Mini Dome IP Camera for Indoor/Outdoor	Ultra-WDR Day/Night Fixed Dome IP Camera for Indoor/Outdoor	Day/Night Mini PTZ Dome IP Camera for Indoor/Outdoor
Encoder	4 megapixel; H.264	4 megapixel; H.265	5 megapixel; H.265	5 megapixel; H.265
Additional Features	• Compact & lightweight • Shutter ultra-WDR • Wide angle 100° lens • Two-way audio, built-in mic and speaker • IR capture 15 ft / 5 m • 3D noise reduction	• Low-light sensor with wide 101° viewing range • IR capture 60 ft / 20 m • 3D noise reduction	• Motorized 4x autofocus zoom lens • Shutter ultra-WDR • Low-light progressive sensor • IR capture 100 ft / 30 m • Two-way audio with built-in mic • 3D noise reduction	• Motorized pan/tilt operation • Autofocus 3x zoom lens • 3D noise reduction • Low-light progressive sensor • IR capture 65 ft / 20 m • One-way audio with built-in mic
Total Interface	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af POE

FortiCam Surveillance Cameras

	FCM-SD20B	FCM-CB50	FCM-FB50
Description	Ultra-WDR PTZ Speed Dome IP Camera for Indoor/Outdoor	Day/Night Compact Bullet IP Camera for Indoor/Outdoor	Ultra-WDR Day/Night Full Bullet IP Camera for Indoor/Outdoor
Encoder	2 megapixel; H.265	5 megapixel; H.265	5 megapixel; H.265
Additional Features	• 360° continuous pan/tilt operation • Superior optical 30x zoom range • Electronic image stabilization • Shutter ultra-WDR with 0.005 Lux night sensitivity • Line in/out audio • 3D noise reduction	• Wide angle 4x varifocal lens • Low-light sensor with advanced infrared LED technology • IR capture 100 ft / 30 m • One-way audio with built-in mic • 3D noise reduction	• Motorized 4x autofocus zoom lens • Shutter ultra-WDR • Low-light progressive sensor • IR capture 100 ft / 30 m • Two-way audio; line in/out • 3D noise reduction
Total Interface	1x FE RJ45, 802.3at PoE+ (class 4)	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af PoE

Free Video Management Apps
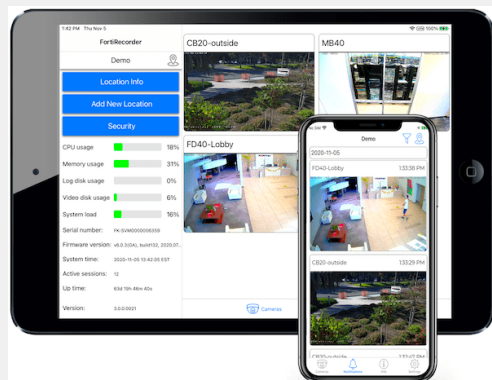
FortiRecorder for Mobile

Easily access live videos, playback recordings, get smart notifications, or track locations within your fingertips

- Intuitive interface for viewing camera live stream, 24/7
- Receive and play back video events
- Smart event notifications
- Track multiple locations simultaneously
- Available for iOS devices (iPhone and iPad) and Android smart phones
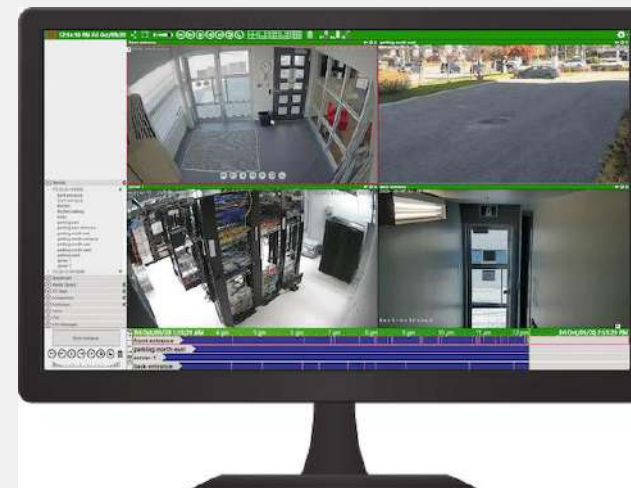
FortiCentral for Windows

AI-enabled Video Management Software for centralized control and visibility across all surveillance cameras

- Simplified management across multiple FortiRecorder and FortiCam devices
- Flexible tiled windows with easy drag and drop
- Instant replay and simultaneous playback
- 3D maps for easy navigation
- Intelligent machine-learning analyzes and recognizes faces, objects, facemasks, and occupancy, as well as privacy protection.

FortiTester

Introducing FortiTester

Appliance   Virtual Machine

Network performance tester that aids in infrastructure optimization and configuration validation

Attack replay test

HTTP/HTTPS connections per second test

HTTP/HTTPS requests per second test

TCP throughput test

TCP concurrent connections test

Mixed traffic test
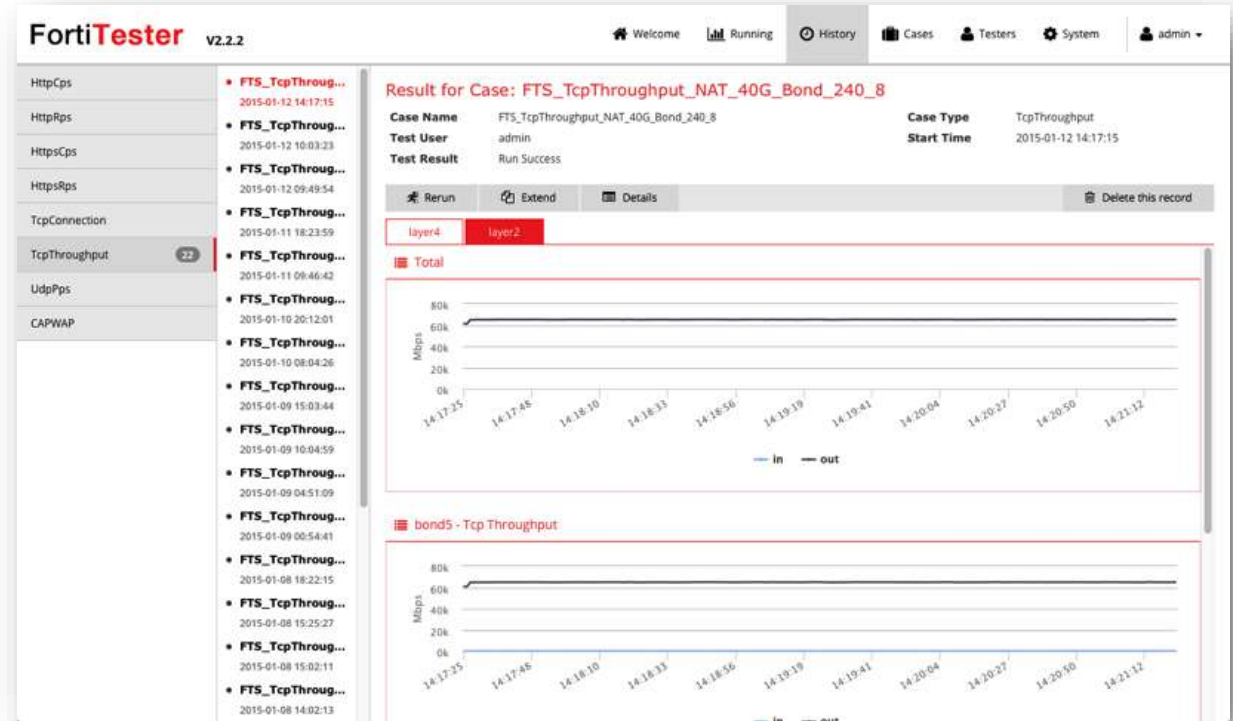
FortiTester Series

	FTS-2000D	FTS-2000E	FTS-2500E	FTS-3000E	FTS-4000E (2 devices mode)	FTS-VM04 (vSwitch)
HTTP Throughput	19.9 Gbps	20 Gbps	20 Gbps	38.9 Gbps	94 Gbps	14 Gbps
HTTP CPS	819,000	975,000	979,000	1,570,000	1,500,000	353,000
HTTP Connection	9,000,000	9,000,000	9,000,000	18,000,000	76,000,000	2,000,000
SSL Throughput	8 Gbps	11.8 Gbps	10 Gbps	18 Gbps	28.8 Gbps	1.1 Gbps
SSL CPS	1,700	3,000	17,400	25,000	32,000	2,600
SSL Connection	15,000	60,000	15,000	20,000	30,000	15,000
Total Interfaces	4x 10GE SFP+, 1x MGMT GE RJ45	4x 10GE SFP+, 1x MGMT GE RJ45	4x 10GE SFP+, 1x MGMT GE RJ45	2x 40GE QSFP+, 1x MGMT GE RJ45	1x 100GE QSFP28, 1x MGMT GE RJ45	-
Form Factor	1U	1U	1U	1U	1U	-
Storage	120 GB SSD	1 TB HDD	120 GB SSD	2 TB HDD	2 TB HDD	-

384629 FortiToken

Introducing FortiToken

Oath Compliant Time Based Hardware One Time Password Token

Scalable strong authentication solution for low entry cost and low total cost of ownership (TCO)

Unique online activation option reducing complexity

Reduced operations costs through leveraging existing FortiGate as the authentication server

Large, easy-to-read LCD display

Introducing FortiToken Mobile

384629 | Oath Compliant Time Based One Time Password Soft Token

Reduced costs by leveraging existing FortiGate as the authentication server

Minimized overhead with unique online activation option

A scalable solution for low entry cost and low total cost of ownership

FortiVoice & FortiFone

Introducing FortiVoice & FortiFone

Secure, all-inclusive business communications solution enables organizations to collaborate efficiently across offices

Secure communications safeguard conversations

Centralized management across locations

Rich features with integrated voice, conferencing and fax

Comprehensive system monitoring and reporting

Local survivability support for business continuity

Versatile IP phone selection with HD audio clarity

Internet

Firewall

FortiVoice

FORTINET

Management computer

PoE switch

IP phones
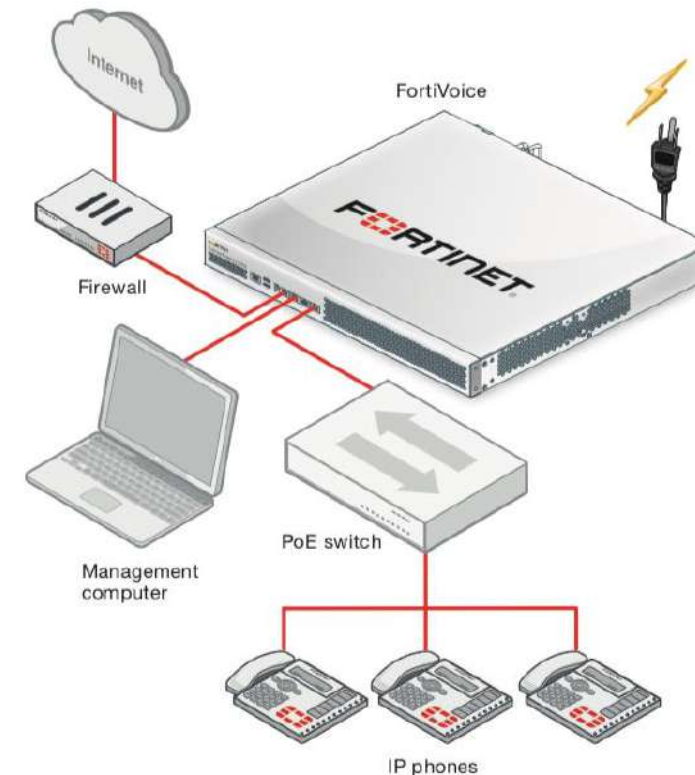
FortiVoice Appliances

	FVE-20E2/4	FVE-50E6	FVE-100E	FVE-200F8
Form Factor	Desktop	Desktop	Desktop	Rack Mount (1U)
VoIP trunks	4	8	16	24
Extensions	20	50	100	200
Concurrent calls	8	15	30	32
Auto attendants	5	5	10	15
Conference bridges	2	2	8	10
PRI (T1/E1)	0	0	0	0
Traditional telephone lines (FXO)	2 / 4	2	4	2
Analog extensions (FXS)	2 / 0	2	4	2
Network interfaces (RJ45)	2	2	4	2
Add-ons	Unified Communications	Call Center	Hotel Management	FortiFone Softclient (iOS, Android, Mac, Windows)

FortiVoice Appliances

	FVE-300E-T	FVE-500F	FVE-2000F	FVE-5000F
Form Factor	Rack Mount (1U)	Rack Mount (1U)	Rack Mount (1U)	Rack Mount (1U)
VoIP trunks	30	50	200	500
Extensions	300	500	2,000	5,000
Concurrent calls	60	75	300	800
Auto attendants	20	20	100	100
Conference bridges	12	12	50	50
PRI (T1/E1)	1	0	0	0
Traditional telephone lines (FXO)	0	0	0	0
Analog extensions (FXS)	0	0	0	0
Network interfaces (RJ45)	5	4	4	4 + 2x SFP
Add-ons	Unified Communications	Call Center	Hotel Management	FortiFone Softclient (iOS, Android, Mac, Windows)

FortiVoice Virtual Machines

	FVE-VM-50	FVE-VM-100	FVE-VM-200	FVE-VM-500	FVE-VM-2000
Form Factor	VM	VM	VM	VM	VM
VoIP trunks	8	16	24	50	200
Extensions	50	100	200	500	2,000
Concurrent calls	15	30	32	75	300
Auto attendants	5	10	15	20	100
Conference bridges	2	8	10	12	50
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)				

	FVE-VM-5000	FVE-VM-10000	FVE-VM-20000	FVE-VM-50000
Form Factor	VM	VM	VM	VM
VoIP trunks	500	1,000	2,000	3,000
Extensions	5,000	10,000	20,000	50,000
Concurrent calls	800	1,500	1,500	2.000
Auto attendants	100	100	150	200
Conference bridges	50	50	50	100
Add-ons	Unified Communications | Call Center | Hotel Management | FortiFone Softclient (iOS, Android, Mac, Windows)			

FortiVoice Add-on Services

Unified Communications

Extends capability beyond calls to optimize communication efficiency

- Microsoft Teams integrations: make calls within Teams, share contact or launch FortiFone Softclient for more options
- Start a video call from FortiFone Softclient
- View colleagues' presences in real time from FortiFone Softclient
- Instant messaging with colleagues from FortiFone Softclient

Call Center

Turn FortiVoice to an efficient call center solution for better customer satisfaction

- Web-based console
- Dynamic call center agents
- Flexible call distribution
- Skill based routing
- Granular statistic on agent and call queue performance
- Highly detailed custom call reporting
- Licenses required only for Call Center and for agents

Hotel Management

Provides better guest services and communications with hospitality functionality

- Enriched features with check-in/check-out control, wake-up calls, room conditions codes, etc.
- Compatible with industry-leading property management systems
- Licenses required for Hotel and for rooms
- Supports FortiVoice protocol (compatible with Mitel SX 2000 protocol). MICROS FIAS protocol and Comtrol UHLL protocol

FortiFone Desk Phones

FON-175

A two-line IP telephone with 11 feature keys and color screen

- HD audio quality
- 2.4" color screen
- 5 dedicated feature keys
- Full duplex speakerphone
- 2 x 10/100 Ethernet ports
- Integrated Power over Ethernet (PoE) support

FON-380

A mid-range phone with easy-to-use design for efficient communications

- HD audio quality
- 3.5" color sceeen
- 10 dedicated feature keys
- 28 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support

FON-480

Features a color-rich screen with dedicated feature keys and programmable keys

- HD audio quality
- 4.3" color screen
- 10 dedicated feature keys
- 45 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support
- Built-in Bluetooth headset support

*Availability of FortiFone models might vary by country, please check with your local Fortinet sales or partners for details.

FortiFone Desk Phones

FON-570

Comes with a touchscreen, dedicated feature keys and programmable keys

- HD audio quality
- 7" color screen
- 7 dedicated feature keys
- 109 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support

FON-675i

An executive phone with vivid touchscreen and programmable appearance keys

- HD audio quality
- 7" TFT color screen
- 5 dedicated feature keys
- 112 programable phone keys
- Camera with adjustable position
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support

FON-575

A high-performance phone with color screens and up to 106 programmable keys

- HD audio quality
- Color screens: 4.3" + 2 built-in 3.5" side displays
- 11 dedicated feature keys
- 106 programable phone keys
- Full duplex speakerphone
- 2 x 10/100/1000 Ethernet ports
- Integrated Power over Ethernet (PoE) support

Availability of FortiFone models might vary by country, please check with your local Fortinet sales or partners for details.

FortiFone Conference & Lobby/Hotel Phones

FON-C71

Offers premium HD audio, full-duplex technology and acoustic echo cancelling on the three microphone array

- HD audio quality
- 3.1" pixel graphic display
- Full duplex speakerphone
- Three microphone array
- 10/100 Ethernet port
- Integrated Power over Ethernet (PoE) support
- Wi-Fi/Bluetooth support to connect your mobile and PCs

FON-H25

A customizable IP phone with high quality audio and dedicated feature keys

- 6 dedicated feature keys
- Full duplex speakerphone
- 2 x 10/100 Ethernet ports
- Integrated Power over Ethernet (PoE) support

FON-H35

A customizable IP phone with high quality audio, dedicated feature keys and color screen

- 3.5" color display
- Dedicated feature keys
- 6 programable keys
- Full duplex speakerphone
- 2 x 10/100 Ethernet ports
- Integrated Power over Ethernet (PoE) support

Availability of FortiFone models might vary by country, please check with your local Fortinet sales or partners for details.

FortiFone Cordless Phones
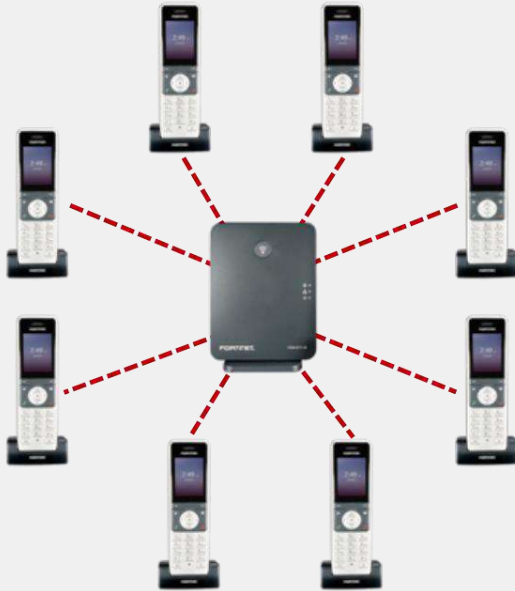
Single-base Cordless Solution
Ideal for offices with smaller areas, the solution is designed to manage the registration and calls for up to 8 handsets with FortiVoice

Minimum requirements:
- One (1) FON-D71-B single-base station
- One (1) FON-D71-H cordless handset
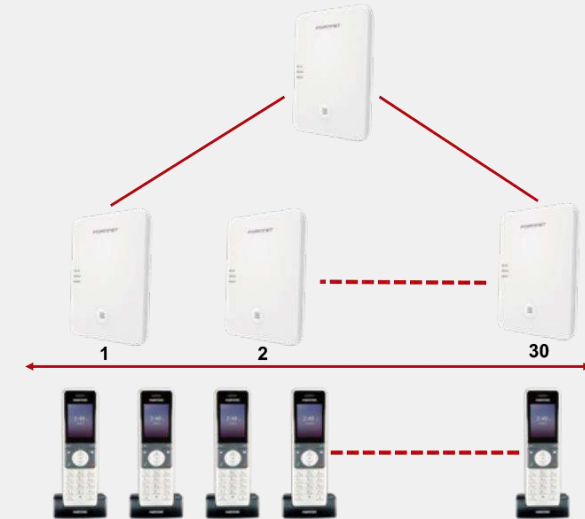
Multi-cell Cordless Solution
Ideal for offices with a large footprint or in a multiple-floor building, the solution supports up to 100 handsets.

Minimum requirements:
- One (1) FON-D72-B multi-cell base station
- One (1) FON-D72-M station manager
- One (1) FON-D71-H cordless handset

FortiFone Cordless Phones

FON-D71-H	FON-D71-B	FON-D72-B
High-quality DECT handset delivering HD sound quality and DECT encryption	A single-base DECT station for businesses with a smaller footprint	A multi-cell DECT base station for businesses with a large footprint

FON-D71-H	FON-D71-B	FON-D72-B
• HD audio quality • 2.4" pixel graphic display • Full duplex speakerphone • Up to 30 hours of talk time on a single charge • Range: 150 feet indoors • Supports up to 8 handsets • 10/100 Ethernet port	• Single-base station supports up to 8 handsets • Able to handle up to 8 concurrent calls • Indoor range up to 50 meters • Outdoor range up to 300 meters	• Supports up to 8 handsets per base station, up to a maximum of 100 handsets per FON-D72 solution (w/ multiple bases) • Handles up to 100 concurrent calls (w/ multiple bases) • Indoor/Outdoor ranges: up to 50 / 300 meters per base station • Seamless handover and roaming between bases

Availability of FortiFone models might vary by country, please check with your local Fortinet sales or partners for details.

FortiFone Softclient

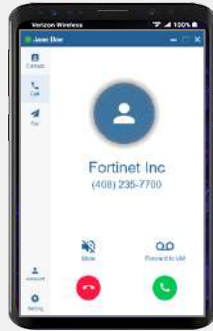| FortiFone Softclient for Mobile	FortiFone Softclient for Desktop
A customizable IP phone with high quality audio and dedicated feature keys (Android and iOS support)	A customizable IP phone with high quality audio, dedicated feature keys and color screen (Mac and Windows support)
• Integrated UI for calling, conferencing, fax, and more, directly from a smartphone • Easy call control: hold/unhold, mute/unmute, transfer, swap and merge calls, and more. • Access company directory and favorites; call your colleague or customers with a single tap • Visual voicemail • Hands-free speaker phone option • Support headset use	• Integrated UI for calling, conferencing, fax, and more, directly from a computer or a notebook. • Easy call control: hold/unhold, mute/unmute, transfer, swap and merge calls, and more. • Access company directory and favorites; call your colleague or customers with a single tap • Visual voicemail • Quick access to History, Contact, and Voicemail • Supports headset use

FortiWLC

Introducing FortiWLC

Wi-Fi Controller that manages authentication, encryption and virtual private network connections for the wireless network.

Superior density, scalability, and mobility

Protection for sensitive data and help to meet compliance

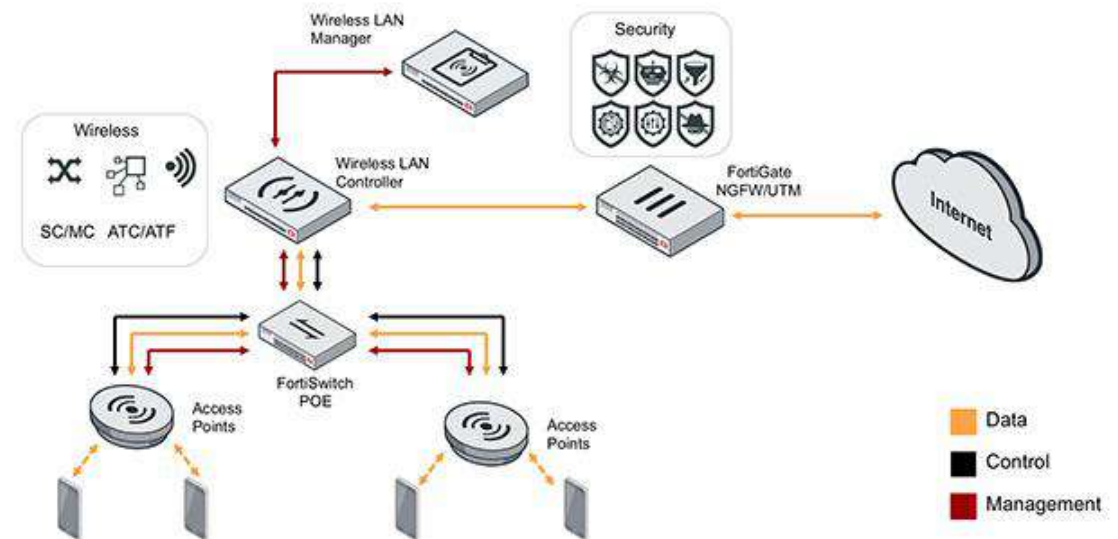Option for Single Channel or Multi-Channel deployment

Simplified deployment and capacity expansion

Scalability from 1 to 10,000 APs

Wireless device location tools included with no additional license

FortiWLC Series

	FWC-50D	FWC-200D	FWC-500D	FWD-1000D	FWD-3000D
Max. Access Points	50	200	500	1,000	3,000
Max Clients	1,500	2,500	7,500	20,000	45,000
Total Interface	4x GE RJ45	4x GE RJ45	4x GE RJ45 4x GE SFP 2x 10GE SFP+	2x GE RJ45 4x 10GE SFP+	2x GE RJ45 8x 10GE SFP+
Form Factor	1 RU	1 RU	1 RU	2 RU	2 RU

	FWC-50D-VM	FWC-200D-VM	FWC-500D-VM	FWD-1000D-VM	FWD-3000D-VM
Max. Access Points	50	200	500	1,000	3,000
Max Clients	1,500	2,500	7,500	20,000	45,000
Max vCPU	4	4	8	24	48
Max RAM	4 GB	8 GB	16 GB	32 GB	64 GB

FortiWLM

Introducing FortiWLM

Platform for secure access applications focused on WLAN management, interference detection and security.

Network management that supports monitoring, configuring and reporting of wireless network health

RF interference detection and mitigation

A choice of appliances sized to fit your business scale
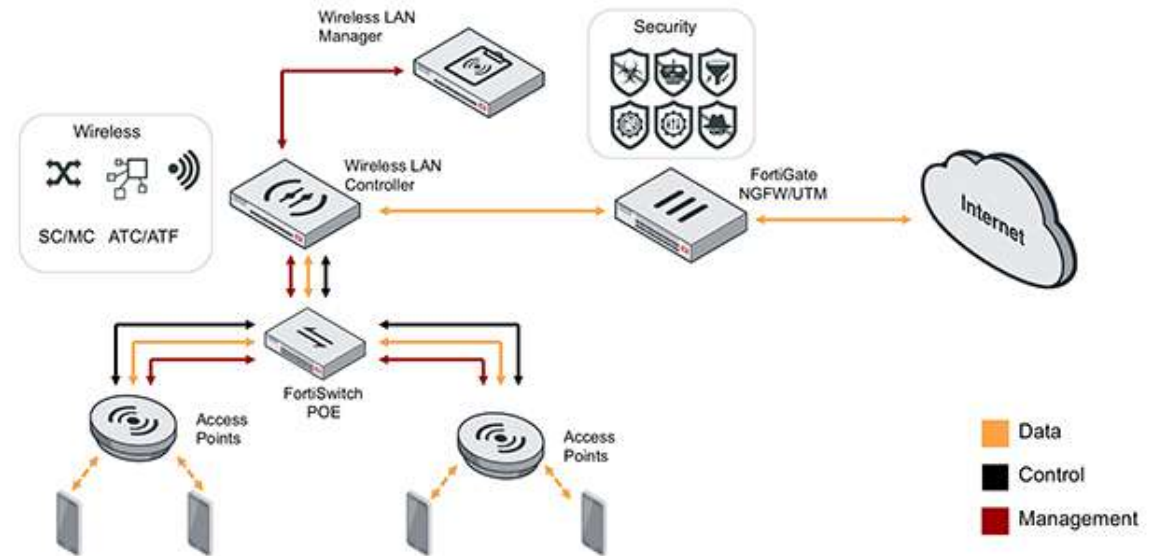
FortiWLM Series

	FWM-100D	FWM-1000D	FWM-VM
Number of Infrastructure APs	1,000	15,000	15,000
Number of Stations	5,000	75,000	75,000
Total Interface	4x GE RJ45	4x GE RJ45 4x GE SFP	-
Form Factor	1 RU	1 RU	-

Other Information

Virtual Appliance Platforms

B = BYOL, P = PAYG

	VMWare vSphere	Citrix Xen Server	Xen	KVM	Microsoft Hyper-V	Nutanix AHV	Amazon AWS	Microsoft Azure	Oracle OPC	Google GCP	AliCloud
FortiGate-VM*	✓	✓	✓	✓	✓	✓	B P	B P	B P	B P	B P
FortiManager-VM	✓	✓	✓	✓	✓	✓	B P	B	B	B	B
FortiAnalyzer-VM	✓	✓	✓	✓	✓	✓	B P	B	B	B	B
FortiWeb-VM	✓	✓	✓	✓	✓	✓	B P	B P	B	B	B
FortiWeb Manager-VM	✓						B				
FortiMail-VM	✓	✓		✓	✓	✓	B P	B P		B	
FortiAuthenticator-VM	✓		✓	✓	✓		B	B	B		
FortiADC-VM	✓	✓	✓	✓	✓	✓	B P	B P	B P	B P	
FortiVoice-VM	✓	✓		✓	✓		B	B			
FortiRecorder-VM	✓	✓		✓	✓		P				
FortiSandbox-VM	✓			✓	✓	✓	B P	P			
FortiSIEM	✓			✓	✓	✓	B	B			B
FortiProxy-VM	✓			✓			B	B			

* Also support AzureStack and RackSpace (PAYG)