AhnLab EPS

Optimized Protection for Fixed Function Systems

Ensure System Availability with Lightweight Agent
Prevent Malware Infiltration through Lock Mode

LIGHTWEIGHT   **STABILITY**   **LOCKDOWN**   **BLOCK**

AhnLab EPS (Endpoint Protection System) is an optimized security solution for fixed function systems, which only allows execution of authorized applications and predefined processes. AhnLab EPS secures system stability of various fixed function systems, such as Industrial Control Systems (ICS), Point of Sale (POS) Terminals, KIOSKs, and ATMs.

ICS   **POS Terminal**   **KIOSK**   **ATM**

· Ensures Stability
· Minimizes Downtime
· Minimizes System Resource Usage
· Enables Application Control
· Supports Various Environments

Highlights

AhnLab EPS prevents threats, such as hacking, malware, external media connection, system change, network connections, and system abuse by restricting execution of unauthorized or unnecessary program through AhnLab's exclusive whitelisting technology.

Whitelist-based Lock Mode
· Enables effective security operation with 3-level Lock Modes
· Provides enhanced protection with Lockdown functions, including blocking file creation, deletion, alteration, and execution.

Malware Detection and Protection Ensuring System Availability
· Minimizes the impact on system resources with a lightweight agent
· Ensures stable and comprehensive detection with exclusive engine
· Blocks and deletes the detected malicious files

Various Options to Prevent Threats
· Prevents execution of blacklisted programs
· Blocks access to important setting changes within the system
· Blocks targeted network attacks with Host-based Firewalls
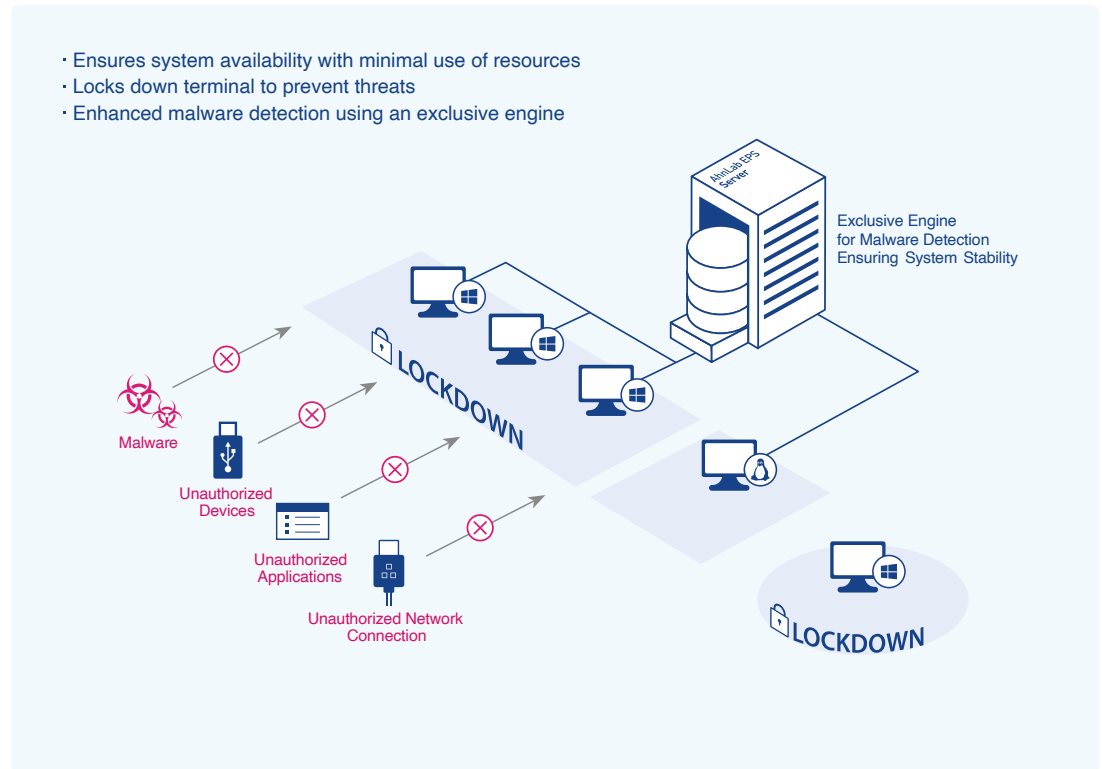· Provides media control for USB, CD/DVD, and Bluetooth devices

Easy and Comprehensive Management and Monitoring of EPS Clients
· Enables enhanced monitoring in real-time via a single dashboard
· Provides comprehensive policy management of EPS clients on various OS device
· Provides remote control for clients to enhance management and maintenance
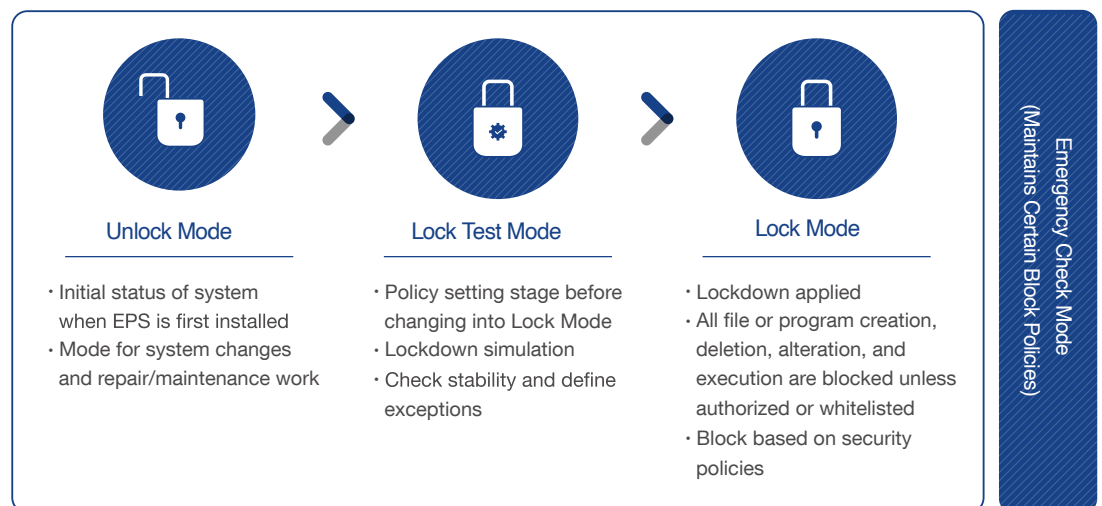
System Availability

AhnLab EPS provides malware detection technology optimized for fixed function systems and Lockdown function for various terminals. Utilizing a server equipped with an exclusive engine (AhnLab EPS Server) and a lightweight agent (AhnLab EPS Client), AhnLab EPS efficiently detects and blocks malware while minimizing the use of system resources, thus ensuring optimized security to deliver operational continuity and stability.
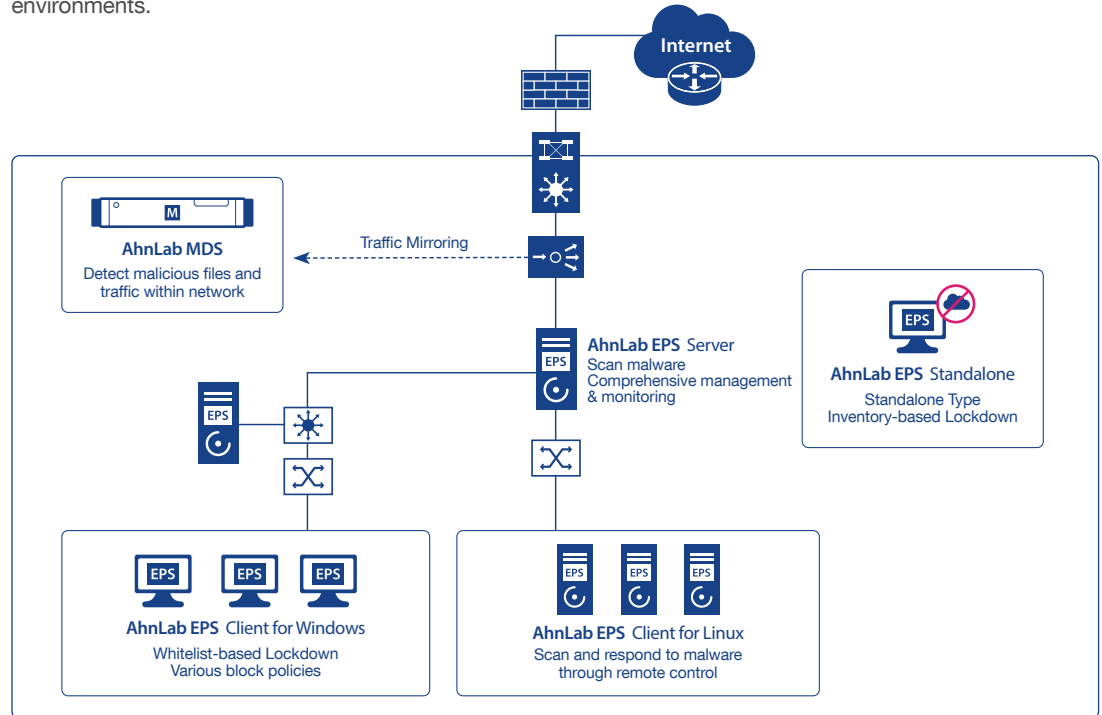
· Ensures system availability with minimal use of resources
· Locks down terminal to prevent threats
· Enhanced malware detection using an exclusive engine

AhnLab EPS Server

Exclusive Engine for Malware Detection Ensuring System Stability

LOCKDOWN

Malware

Unauthorized Devices

Unauthorized Applications

Unauthorized Network Connection

LOCKDOWN

Highlights

AhnLab EPS provides "3-Level Lock Modes" to deliver efficient operation for fixed function systems. In other words, AhnLab EPS is able to efficiently manage security policies and optimize system setting while ensuring system stability via Unlock Mode, Lock Test Mode, and Lock Mode.

Unlock Mode

· Initial status of system when EPS is first installed
· Mode for system changes and repair/maintenance work

Lock Test Mode

· Policy setting stage before changing into Lock Mode
· Lockdown simulation
· Check stability and define exceptions

Lock Mode

· Lockdown applied
· All file or program creation, deletion, alteration, and execution are blocked unless authorized or whitelisted
· Block based on security policies

Emergency Check Mode
(Maintains Certain Block Policies)

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Deployment

AhnLab EPS is provided in both 'Server-Client Type (Managed Type)' and 'Standalone Type' for various environments.

Internet

AhnLab MDS
Detect malicious files and traffic within network

Traffic Mirroring

AhnLab EPS Server
Scan malware
Comprehensive management
& monitoring

AhnLab EPS Standalone
Standalone Type
Inventory-based Lockdown

AhnLab EPS Client for Windows
Whitelist-based Lockdown
Various block policies

AhnLab EPS Client for Linux
Scan and respond to malware
through remote control

Main Functions

1. Server-Client Type (Managed Type)

Server-Client Type consists of a lightweight agent (EPS Client) installed on the terminal system, and a server (EPS Server) for centralized monitoring and policy management to ensure operational stability for fixed function systems.

		Main Function
Server	AhnLab EPS Server	· Central management and monitoring · Malware scan and response · Engine update management · Log searching and remote control · Integration with AhnLab MDS, a network sandbox-based advanced threat protection solution
Agent	AhnLab EPS Client for Windows	· Protection for Windows OS-based terminal · 3-level Lock modes · Whitelist based Lockdown · Device control, system change and program execution block · Host-based Firewall · Network attack detection · Remote real-time scan, manual scan, and scheduled scan
	AhnLab EPS Client for Linux	· Linux OS-based terminal protection · Remote manual scan and scheduled malware scan · Pre-defined response according to security policies

2. Standalone Type

Standalone Type protects fixed function systems that operate offline through a standalone agent.

	Main Function
AhnLab EPS Standalone	· Agent-based operation – Protects offline terminals in Windows OS · 3-level Lock Modes · Inventory-based lockdown · Setting, importing, and exporting management policies · Log saving and searching

System Requirements

1. Server-Client Type (Managed Type)

AhnLab EPS Server

		System Requirements
Hardware	CPU	Intel®Xeon®Processor E5 Family (8 or more, 3GHz or more, 8MB Cache or more)
	Memory	16GB
	HDD	OS: 300GB x 2 (RAID 1) or more DATA: 1TB or more (RAID type recommended)
OS		RHEL 7.6(64 bit)
Console Browser		Internet Explorer 8.0 or higher

Maximum of 8,000 agents recommended

AhnLab EPS Client for Windows

		System Requirements
Hardware	CPU	Pentium 133MHz or more
OS	Embedded OS	Windows Embedded XP / Standard 2009 / Standard 7 / POSReady 2009 / POSReady 7 / 8.1 Industry(Pro, Enterprise)
	Client OS	Windows 2000 Professional / XP(Home, Professional) / Vista(Enterprise, Ultimate) / 7(Professional, Enterprise, Ultimate) / 8, 8.1(Professional, Enterprise) / 10(Professional, Enterprise) / 10 IoT Enterprise
	Server OS	Windows 2000 Server / Windows 2000 Advanced Server / Windows Server 2003(Standard, Enterprise) / 2008(Standard, Enterprise) / 2012(Essentials, Standard) / 2016(Essentials, Standard) / 2019(Essentials, Standard)

Supports both 32-bit and 64-bit versions for the OS above

AhnLab EPS Client for Linux

	System Requirements
Hardware(CPU)	Intel Family(32/64 bit)
OS	CentOS 3.3 ~ 8.1
	Red Hat Enterprise Linux 3.3 ~ 8.1
	antiX Linux 13.2, 16.2

2. Standalone Type

AhnLab EPS Standalone

		System Requirements
Hardware	CPU	Pentium 233MHz or more
	Memory	64MB or more
	HDD	1.5GB or more
OS	Embedded OS	Windows Embedded Standard 2009 / Standard 7 / POSReady 2009 / POSReady 7 / 8.1 Industry(Pro, Enterprise)
	Client OS	Windows XP SP3(Home, Professional) / Vista(Enterprise, Ultimate) / 7(Professional, Enterprise, Ultimate) / 8, 8.1(Pro, Enterprise) / 10(Pro, Enterprise)
	Server OS	Windows Server 2008(Standard, Enterprise) / 2012(Essentials, Standard) / 2016 (Essentials, Standard)

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¡Contáctanos, juntos queremos hacer negocio contigo!

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