FEATURE SUMMARY
COVER CAPABILITIES IN VERSION 5.0

Trading Turrets

Enterprise Telephony [(*)]
Basic call
Multi-call appearances
Multi-line appearances
Call transfer, blind
Call transfer, consultative
Call transfer, monitoring
Call transfer reclaim
Call hold/resume
Call pickup/group pickup
Call park
Call back
Call forwarding
Call history
Call conference
Call interception
Call barge-in
Call dispatching
Meet-me conferencing
Do not disturb
Voice mailbox
Message waiting indicator
Hands free mode
DTMF
Missed call indicator
Music-on-hold
CLID presentation
Corporate directory

VoIP standards
Compliance to SIP standards: RFC3261, RFC3264 , RFC3265, RFC3515, RFC3891, RFC1890, RFC2833
Adaptive jittering
Voice quality enhancements
Dynamic echo cancellation
Voice compression: G.711 μLaw, G.711 ALaw, G.729b

Legacy voice networks
E1/CAS MRD circuits
Analog MRD circuits (GEN/GEN lines)
T1/E1 PRI
T1/E1 CAS E&M circuits
PSTN

Trading
Line monitoring
Shared DDI lines & line coverage options
Private lines
Common key lamping
Floating area
Line cut-in/barge-in/silent monitoring
Up to 24 speaker channels
Voice activity detection on speaker channels
Volume level/mute per speaker channels
Local/global ducking
Voice broadcasting to speaker channels
Voice recording & replay from turret
Auto-actions on in-bound calls
Direct intercom
Group intercom
Group call hold
Signal line (MRD only)
Supervision of rookie traders

Peripherals
15'' touch screen interface
One or two handsets SER-126
Up to 2 external loudspeakers (see supported models list)
One gooseneck microphone (see supported models list)
One optional headset (see supported models list)
Custom USB dial-pad
External USB devices

User options
Configurable interface layout
Rich set of programmable key types: shortcuts, contacts, lines, call/line/intercom interceptions, raw audio…
Language selection
Ring tones selection
Volume level control per device
Volume level control for ring tones
Selectable call alerting pattern
Call durations display
Free seating

Security
User ID and password protection
Password policies
Password expiration, renewal
Audit of user actions

IT & operations
Web-based administration
PBX redundancy [(*)]
Local site survivability [(*)]
Automated/manual turrets firmware upgrade
System monitoring and troubleshooting aids (SNMP, syslog…)

Application integration
Click-to-dial from traders' desktop
Calculator
Video/TV/Radio streaming to turret
Search in 3rd party user directory
Contacts sharing between Microsoft® Office Outlook® and turrets
Proteus call monitoring system
Text messaging, ManagedText™ from Infracast

VoIP network infrastructure
Cisco CUCM 6.x (certified), 7.x (certified) & 8.0
Avaya ACM 4.0.3, 5.1, 5.2
Alcatel OmniPCX version 7, 8, 9

VoIP recording platforms
Verint Impact 360 7.8.3 (certified)
ASC EVoip Server
Nice R3c v9.0.10

Limited support available for:
TC&C Carin
Weston AudioNet
DSR recorder
Red Box Recorder
Zoom CallRec
Cybertech Recording Solutions

Networking
10/100/1000 Mbits Ethernet LAN
Redundant network link attachment
DHCP support
VLAN support
DSCP support
Spanning or rapid spanning tree protocol

(*) Support of this feature may vary depending on the VoIP network infrastructures. Please refer further to the product documentation for more details.

IPTRADE

FEATURE SUMMARY

COVER CAPABILITIES IN VERSION 5.0

The table below highlights the main differences between IPTrade IFF Turret (part number IPT-PRO-T2) and Turret Lite (part number IPT-PRO-T3) in regards of the main features and of the device characteristics.

Specifications	IFF Turret	Turret Lite Plus	Turret Lite Option 1	Turret Lite Option 2	Turret Lite Option 3
Part number	IPT-PRO-T2	IPT-PRO-T5	IPT-PRO-T3	IPT-PRO-T3	IPT-PRO-T3
Telephone [(*)]					
Line appearances (max. primary, secondary, shared lines)	6	6	6	6	6
Call appearances (max. simultaneously active)	27	13	2	2	5
Call handling	All features	All features	All features	All features	All features
Call conference mgt	Ad-hoc conference, as per PBX configuration Standard conference, 6 parties	Ad-hoc conference, as per PBX configuration Standard conference, 6 parties	Add-hoc conference, as per IP PBX configuration Standard conference, 3 parties	Add-hoc conference, as per IP PBX configuration Standard conference, 3 parties	Add-hoc conference, as per IP PBX configuration Standard conference, 3 parties
Trading					
Speaker channels	24 (5/10/12/15/20/24 channels)	10 (5/10 channels)	None	None	3
Group intercom channels (max.)	3	1	0	1	1
Recording					
Separated channel	Yes	Yes	Yes	Yes	Yes
Mixed channel	Yes	Yes, limited to per-device recording scheme i.e. one recording channel per handset, one recording channel for all speaker channels	No	No	No
Replay from turret	Yes	Yes	Yes	Yes	Yes
Peripherals					
Display	LCD 15'' panel 1024x768 resolution	LCD panel 15.6'' (wide) 1366 x 768 resolution	LCD panel 15.6'' (wide) 1366 x 768 resolution	LCD panel 15.6'' (wide) 1366 x 768 resolution	LCD panel 15.6'' (wide) 1366 x 768 resolution
Touch surface	5-wire resistive touch frame	5-wire resistive touch frame	5-wire resistive touch frame	5-wire resistive touch frame	5-wire resistive touch frame

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Audio (default)	2 handsets SER-126 (push-to-talk/push-to-mute/background noise reduction) , 1 or 2 external speakers ETC or Bose Companion 2 1 gooseneck microphone	2 handsets SER-126 (push-to-talk/push-to-mute/background noise reduction) , 1 external speakers ETC or Bose Companion 2, 1 gooseneck microphone	2 handsets SER-126 [**] or 2 USB handsets	2 handsets SER-126 [**] or 2 USB handsets, 1 external speaker Bose Companion 2 [**]	1 handset SER-126 [**] or 1 USB handsets, 1 external speaker Bose Companion 2 [**], 1 gooseneck microphone [**]
Extensions					
USB keyboard/mouse	Yes	Yes	Yes	Yes	Yes
USB dial pad	Yes	Yes	Yes	Yes	Yes
User options					
Programmable key pages	Unlimited (system)	Unlimited (system)	Unlimited (system)	Unlimited (system)	Unlimited (system)
Programmable keys	Unlimited (system)	Unlimited (system)	Unlimited (system)	Unlimited (system)	Unlimited (system)
Speaker channels applets	Up to 4	Up to 2	0	0	1
Video streaming applet/channel	1	1	Not supported	Not supported	Not supported
VoIP standards					
Voice Codecs	G.711 µLaw/ALaw, G.729b	G.711 µLaw/ALaw	G.711 µLaw/ALaw	G.711 µLaw/ALaw	G.711 µLaw/ALaw
Networking					
10/100/1000 Mbits interface	Yes	Yes	Yes	Yes	Yes
Redundant attachment at link level	Yes	No	No	No	No
Network attachment for co-located workstation	Yes	No	No	No	No
VLAN tagging capability	Yes	No	No	No	No
DSCP support	No	Yes	Yes	Yes	Yes
Technical specifications					
Size (width x height x depth)	High position 395 x 280 x 212 Low position 395 x 180 x 212 Processing unit 295 x 280 x 212	High position 400 x 255 x 185 Low position 400 x 171 x 280	High position 400 x 255 x 185 Low position 400 x 171 x 280	High position 400 x 255 x 185 Low position 400 x 171 x 280	High position 400 x 255 x 185 Low position 400 x 171 x 280
Net / Gross Weight	9.8 kg	3.3 kg	3.3 kg	3.3 kg	3.3 kg
Power Adaptor	Power ~45W Input 60~265VAC Output 12V/5.0A	Power ~90W Input 90VAC~264VAC,50/60Hz Output 12VDC	Power ~50W Input 100-240 VAC Output 12VDC	Power ~50W Input 100-240 VAC Output 12VDC	Power ~50W Input 100-240 VAC Output 12VDC
Interfaces	3 x RJ-45 (LAN) 2 x RJ-11 (handsets) 1 x RJ-9 (headset) 1 x Line output (speaker) 1 x Line input (microphone) 4 x USB ports 1 x Power input (12 V)	2 x RJ-45 (LAN) 2 x RJ-11 (handsets) 1 x RJ-9 (headset) 1 x Line output (speaker) 1 x Line input (microphone) 1 x USB port 1 x Power input (12 V)	2 x RJ-45 (LAN) 2 x RJ-11 (handsets) 1 x RJ-9 (headset) 1 x Line output (speaker) 1 x Line input (microphone) 1 x USB port 1 x Power input (12 V)	2 x RJ-45 (LAN) 2 x RJ-11 (handsets) 1 x RJ-9 (headset) 1 x Line output (speaker) 1 x Line input (microphone) 1 x USB port 1 x Power input (12 V)	2 x RJ-45 (LAN) 2 x RJ-11 (handsets) 1 x RJ-9 (headset) 1 x Line output (speaker) 1 x Line input (microphone) 1 x USB port 1 x Power input (12 V)
VESA mounting option	No	Yes (VESA 100x100)	Yes (VESA 100x100)	Yes (VESA 100x100)	Yes (VESA 100x100)
MTBF	50000 hours	50000 hours	50000 hours	50000 hours	50000 hours
Operating temperature (°C)	0 ~40	0 ~40	0 ~40	0 ~40	0 ~40
Fan less design	Yes	No	Yes	Yes	Yes

(*) Support of telephony features may be subject to slight differences between VoIP network infrastructures.   Please refer further to the product documentation for more details.

(**) Supporting these devices requires the IPTrade audio adaptation board to be delivered with the Turret Lite.

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Turrets Support Service (TSS)

Minimum Hardware Requirements
Single CPU (server-class system, typically Intel Core 2 Duo E7200 2.80 GHz/3 MB/1066 MHz)
2 Gb RAM or twice min. OS requirements
2 x 80 GB SATA drives with SATA RAID
Redundant 1Gbps network interface card
1 USB 2.0 port available
3 years 24x7x4 on site support
Standard antivirus server software
Redundant power supply

Software requirements
Microsoft Windows Server 2003/2008 Standard Edition, 32 bits, English version

Microsoft SQL Server Database 2005/2008 Standard Edition, English version

(T)FTP site manager

Administration
Browser-based interface
Unified management of IPTrade systems (IFF, Turret Lite, TPO)
Centralized administration
> Turret devices registration
> User accounts
> Shared/personal user profiles
> User options
> System settings
> Zone-based management
License management

Integration layer to external systems
LDAP and Web Service connectors for external corporate directory data
Replay box for voice recording playback on turrets
Microsoft office Outlook PIM data synchronization service

IT & operations
Redundancy option on-site
Support for multiple distant sites
Server virtualization supported
Incidents log
Device sessions management
User sessions management
Integrated reporting module
Task scheduling
Database maintenance plan

Security
User ID and password protection
Password policies
Password expiration, renewal
Multi-administrators access
Multi-level access control for administrators
Audit trail for administrators

Turrets Proxy to Open Lines service (TPO)

Minimum Hardware Requirements
Single CPU (server-class system, typically Intel Core 2 Duo E7200 2.80 GHz/3 MB/1066 MHz)
2 Gb RAM or twice min. OS requirements
2 x 80 GB SATA drives with SATA RAID
Redundant 1Gbps network interface card
1 USB 2.0 port available
3 years 24x7x4 on site support
Standard antivirus server software
Redundant power supply

For E1/CAS MRD circuits,
Aculab ProsodyX PCIe with 1/2/4 E1/CAS trunks on board
Host machine with one PCIe slot per card (no other system requirements, check mechanical constraints)

Software requirements
Microsoft Windows Server 2003/2008 Standard Edition, 32 bits, English version

For E1/CAS MRD circuits,
Host machine for ProsodyX PCIe board(s) running on Windows XP/2000, or Windows Server 2003

Voice processing
Capability to handle up to 400 bi-directional G.711 RTP voice streams
Collaborate with turrets to deliver above features
> Open line dealing
> Line keys common lamping
> Shared DDI lines
> Group intercom
> Cut-in
> Group call hold
> Signal line (MRD only)
Hunt group for turrets
Raw audio source distribution (audio multicasting)

IT & operations
Redundancy support for private lines
Operated from TSS administration console
System monitoring and troubleshooting aids (SNMP, syslogd…)

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