



IP Touch™ Security Solution

Server Security Module and Media Security Module
Rack Mounted version

Key Benefits

- > Protect confidential conversations from being overheard or tapped or intercepted
- > Secure information flows (signaling and voice)
- > Provide scalability and audio quality thanks to dedicated hardware
- > Implement high-grade security processes without impacting the manageability of your system
- > Ensure your business complies with internal and external governance and privacy regulations

Over the last few years, adoption of Voice over IP (VoIP) has grown rapidly amongst companies everywhere. However, migration to an IP network also brings a host of new security challenges.

Thales Security Modules included in the Alcatel-Lucent IP Touch Security Solution support out-of-the-box wire speed VoIP encryption that enables companies to exploit the full business potential of VoIP - with complete peace of mind.



>> IP Touch Security Solution

Server Security Module and Media Security Module

The Thales hardware-based solution has zero impact on voice communication quality and on VoIP scalability making it especially relevant to centralized hybrid VoIP architectures. Its unique integration with the Alcatel-Lucent OmniPCX™ Enterprise Communication Server brings considerable cost and time savings in security management.

Security is provided through Authentication, Encryption and Integrity control:

- Mutual authentication of all equipments:
 - IP Media Gateway and Media Security Module (MSM)
 - Communication Server and Server Security Module (SSM)
 - IP Touch 8 series phones
 - Unified Communications Application suite
- Encryption of all ToIP flows (signaling and voice)
- Integrity of call control signaling (ensuring that messages have not been modified)
- Secured downloading of binaries and configuration files in IP Phones and IP Media Gateways.

Dimensions	
Form factor	19", 1U
WxDxH (mm)	371x215x43,6
Weight	2,5kg with accessories provided
Environment	
Power supply	110/220VAC input voltage, 50/60Hz 40 W
Operating environment	-5°C to +45°C 5 % - 95 % relative humidity
Storage environment	-25°C to +55°C 5 % - 95 % relative humidity
Approvals	CE Mark, FCC, ETL
RoHS	Fully compliant
MTBF	GB (Ground Benign) 25°C: 98,750 hours
Interfaces	
Console port	1 RJ45 (RS232C) for services and maintenance access.
Network ports	Clear side: 4 switched ports RJ45 Gigabit Ethernet Encrypted side: 1 port RJ45 Gigabit Ethernet
Compatibility	
	Alcatel-Lucent OmniPCX Enterprise since release 8.0
Security	
Encryption	AES algorithm (128 bits key length) Standard SRTP for voice
Check of integrity and authentication	IPSec transport mode for signaling Yes (SHA1 - AES XCBC)
Management	Automatic through Communication Server management Remote secured software update
Capability	
SSM (dedicated to Communication Server)	Up to 15 000 Alcatel-Lucent IP Touch secured phones Up to 240 encrypted IPMG links
MSM (dedicated to IP Media Gateway)	Up to 250 encrypted phone calls
MSM (for IP Voice Logger only)	Up to 500 encrypted voices recording
QoS	Transparent to QoS tagging (802.1p / DiffServ) from the IPMGs or Communication Server. Manages QoS based on layer 3 tagging, to prioritize telephony traffic (whether media or call control signaling) over non real time traffic.
Thales internal reference	TRC 7538
Part number	
Server Security Module Rack Mounted (SSM-RM)	3BA27698AA
Media Security Module Rack Mounted (MSM-RM)	3BA27699AA

Thales

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