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TANDBERG Gatekeeper

The TANDBERG Gatekeeper is a high-performance, reliable, secure, and easy-to-use gatekeeper designed to complement T ANDBERG’s infrastructure solutions. The TANDBERG Gatekeeper provides firewall traversal support for multi-vendor endpoints.



Rear View
 Easy setup and installation

DESIGN FEATURES

- Appliance-based architecture allows for easy deployment and high reliability
- Easy to manage either as a stand alone gatekeeper or with the TANDBERG Management Suite
- Works with any H.323 compliant device
- Easy to upgrade
- Secure and reliable
- 1U rack mountable
- H.460.18/19 compliant
- Supports H.460.19 multiplexed media

APPLICATION FEATURES

- Embedded setup wizard for easy installation
- Supports automatic and manual registrations
- Flexible zone configuration with named zones and default zone
- Supports inter- and intra-zone bandwidth control
- Direct call signaling
- Firewall traversal with TANDBERG Expressway™ Technology
- URI Dialing
- Device authentication using H.235
- Policy Engine for processing calls

PERFORMANCE FEATURES

- Scalable up to 500 concurrent calls
- Uses only solid state memory for high reliability
- Up to 100 neighboring zones and up to 2500 devices and 100 services
- Allows URI dialing for massive scalability
- HTTPS, SSH, and SCP for secure management

ARCHITECTURE

Secure appliance based architecture
Flash memory (diskless and no hard drive)
ITU-T H.323 v5 compliant
ITU-T H.225 v4 compliant
H.460.18/19 compliant
H.460.18 client support
Supports H.460.19 multiplexed media
TANDBERG Expressway Technology
H.323 v5 Annex 0 (for DNS dialing support)

RELIABILITY

Reliability built-in
Registrations survive system restart
Existing calls not affected by a system restart
Fast start-up time
Gatekeeper process recycling within seconds
H.225 Alternate Gatekeeper Support

SECURITY

Secure Management with HTTPS, SSH, and SCP
- Secure File Transfer
- Inactivity Timeout
Can lock-down IP services
Authentication required on HTTP(S), Telnet, SSH, SCP, and serial port
Compatible with H.235 v2 and v3 enabled H.323 devices
H.235 Authentication support

MANAGEMENT

Embedded setup wizard on serial port for initial configuration
Management support through TANDBERG Management Suite 9.0 or newer
Advanced management support and configuration with TANDBERG Management Suite 11.0 or newer
Call logging and diagnostics
Support for logging to a syslog server
Local time zone aware

CALL CONTROL AND REGISTRATIONS

Supports automatic discovery and manual registrations of end-points
Supports automatic discovery, manual registration of endpoints
Supports H.225/Q.931, H.245 call control routed mode
Registration of H.323 ID, E.164 aliases and services
Supports Unicode (UTF-8) registration for global implementation
Initiate, disconnect and transfer H.323 calls from the Gatekeeper API interface
URI Dialing
Direct call signaling for both inter and intra zone calls
Up to 100 traversal calls
Up to 500 active calls
Up to 100 services for a single device
Up to 2500 active registrations
Call Policy Management (RFC 3880)

ZONE CONTROL

Supports Remote Zone monitoring
Supports Remote Zone redundancy
Supports up to 100 neighboring gatekeepers and Border Controllers
Supports sub-zone area definition for bandwidth management
Flexible zone configuration with named zones and default zone
Can function as a leaf gatekeeper or as a master gatekeeper in a gatekeeper hierarchy
Supports forwarding of requests to neighboring gatekeepers and gateways
Can disable automatic discovery and forwarding of LRQ's
Registration Control (open, specifically allow, specifically deny)

BANDWIDTH MANAGEMENT

Interzone — definable call by call
- Max bandwidth per call
- Max aggregate bandwidth for all neighboring zones
Intrazone — definable call by call
- Max bandwidth per call
- Max aggregate bandwidth
Auto downspeeding if call exceeds per-call maximum
Gateway load balancing

INTERFACES

3x LAN/Ethernet (RJ-45), 10/100 Base-TX port
2X RS232 DB-9 (front + rear)
1x USB (rear)

POWER

Auto-sensing 250W (Max) power supply
1AC/DC 90-264V full range @ 47-63 Hz
250W ATX power supply

COOLING SYSTEM

Two 40 mm fans for system cooling

SYSTEM CONTROL AND INDICATOR

1x Power LED
1x Power on/off switch (rear)
3x Act/Link, 10/100 LED on RJ-45

NETWORK

Supports DNS Addressing
Supports IPv4 and IPv6 simultaneously
Provides IPv4/v6 Translation Services

APPROVALS

Directive 73/23/EEC (Low Voltage Directive)
- Standard EN 60950
Directive 89/336/EEC (EMC Directive)
- Standard EN 55022, Class A
- Standard EN 55024
- Standard EN 61000-3-2/-3-3
Approved according to UL 60950
and CAN/CSA C22.2 No. 60950
Complies with FCC15B Class A

DIMENSION

426(W) x 228.6(D) x 43.5(H) mm (16.8" x 9" x 1.72")
1U rack-mount chassis

ENVIRONMENT

Operating temperatures: 0° C to 40° C (32° F to 104° F)
Storage temperatures: -20° C to 80° C (-4° F to 140° F)
Relative humidity: 10% to 90% (Non-condensing)

CERTIFICATION

LVD 73/23/EEC
EMC 89/366/EEC
ICSA (software version 5.x)



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Gatekeeper

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