



TANDBERG Border Controller

The TANDBERG Border Controller provides Firewall Traversal and Simplified Dialing services for all H.323 devices enabling visual communication with partners, vendors, supply chains and remote workers.



Rear View

Easy setup and installation

DESIGN FEATURES

- Appliance-based architecture allows for easy deployment and high reliability
- Designed to work with any H.323 device
- Designed to work with any firewall
- Full multi vendor support
- Secure and reliable
- 1U rack mountable

APPLICATION FEATURES

- Embedded setup wizard for easy installation
- Firewall Traversal H.460.18/.19 Compliant including support for Multiplexed Media
- Flexible zone configuration with named zones and default zone
- Supports inter- and intra-zone bandwidth control
- Traverse any number of firewalls
- URI Dialing
- Device authentication using H.235
- Policy Engine for processing calls
- Provides IPv4/v6 Translation Services

PERFORMANCE FEATURES

- Uses only solid state memory for high reliability
- Supports up to 500 registered devices and 100 concurrent traversal calls
- Up to 100 neighboring zones and 50 traversal zones
- Allows URI dialing for massive scalability
- HTTPS, SSH, and SCP for secure management

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ARCHITECTURE

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

RELIABILITY

Registrations survive system restart
Fast start-up time
Border Controller 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

Supports industry standards such as RS-232, Telnet, HTTP(S), XML, SNMP, SCP, and SSH
Embedded setup wizard on serial port for initial configuration
Management support through TANDBERG Management Suite 9.5 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 manual registration of Expressway enabled endpoints and API call control
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 Border Controller API interface
URI Dialing
Up to 100 traversal calls
Up to 100 services for a single device
Up to 500 registered Expressway Devices
Direct call signaling between neighbored border controllers and gatekeepers
Call Policy Management (RFC 3880)

ZONE CONTROL

Supports Remote Zone monitoring
Supports Remote Zone redundancy
Supports up to 100 neighboring Border Controllers and gatekeepers
Up to 50 traversal zones
Supports sub-zone area definition for bandwidth management
Flexible zone configuration with named zones and default zone
Supports forwarding of requests to neighboring border controllers and gatekeepers
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 (requires TANDBERG Gateway running software version G3.0 or later)

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
90–264V AC full range @ 47–63Hz

COOLING SYSTEM

Two 40mm fans for system cooling

SYSTEM CONTROL AND INDICATIONS

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

DIMENSIONS

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)



All specifications subject to change without notice, system specifics may vary.

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TANDBERG

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