



TANDBERG Border Controller

The TANDBERG Border Controller is a H.323 specific session border controller designed to simplify dialing and firewall traversal for all H.323 devices. This solution solves two of the industries biggest issues, traversing firewalls and global dial plans.



Rear View
Easy setup and installation.

EXPRESSWAY™ is TANDBERG's implementation of the ITU standard (H.460) enabling the secure and reliable extension of visual communications outside the corporate infrastructure.

PROTECT YOUR TECHNOLOGY INVESTMENT. EXTEND THE LIFETIME OF YOUR PRODUCTS. TANDBERG's Constant Care Services fulfill customers' support needs from decision through deployment and beyond.

PROFESSIONAL SERVICES lets you use TANDBERG experts to support the implementation and configuration of TANDBERG infrastructure products, ensuring that you get the most from your investment.

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
- Automatic registration of Expressway enabled H.323 devices
- 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

PERFORMANCE FEATURES

- Uses only solid state memory for high reliability
- Supports up to 1000 registered devices and 100 concurrent traversal calls
- Up to 100 neighboring zones and up to 1000 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 v4 compliant
ITU-T H.225 v4 compliant
TANDBERG ASSENT Technology
H.323 v5 Annex O (for DNS dialing support)

RELIABILITY

Reliability built-in
Registrations survive system restart
Fast start-up time
Border Controller process recycling within seconds
H.225 Alternate Border Controller Support

SECURITY

Secure Management with HTTPS, SSH, and SCP
(secure file transfer)
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
Call logging and diagnostics

CALL CONTROL AND REGISTRATIONS

Supports manual registration of Expressway
enabled end-points
Registration of H.323 ID, E.164 aliases and services
URI Dialing
Up to 100 traversal calls
Up to 100 services for a single device
Up to 1000 registered Expressway devices
Direct call signaling between neighbored
border controllers and gatekeepers
Call Policy Management (RFC 3880)

ZONE CONTROL

Supports up to 100 neighboring border controllers
and gatekeepers
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 LRQs
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 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

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 rackmount 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

*System features vary depending on network selection
and software package. All specifications subject to
change without notice.*

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products may differ based upon component availability.*

*Service availability may vary from region to region. Please
contact your TANDBERG reseller for more information.*

TANDBERG

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