

▶ Polycom® Video Border Proxy™ (VBP™) Series

Security and NAT/Firewall Traversal Solutions

Securely extend your telepresence and video conferencing network to customers, partners, and colleagues.

The Polycom VBP Series allows organizations to improve communication, speed decision-making, and accelerate execution by extending telepresence and video to users beyond their network. With the Polycom VBP Series, customers, partners, and remote colleagues are now easily and securely incorporated into an extended telepresence and video federation.

The Polycom VBP ST Series supports all standards-based telepresence solutions, video conferencing endpoints and multipoint conference bridges. Using standards-based firewall traversal, secure access is provided to users of Polycom Converged Management Application™ Desktop and Polycom HDX Series telepresence solutions without requiring a Virtual Private Network (VPN).

The Polycom VBP Series improve interaction quality by performing network address translation (NAT) at the IP address boundary, and forwarding video traffic in the shortest path. Performing video traffic management through prioritization, traffic shaping, call admission control, and DiffServ marking/policing, the Polycom VBP Series enables high quality and secure interactions to occur throughout the organization.

To enhance security against external attacks, Polycom VBP solutions fully protect H.323 gatekeepers, video endpoints, and multipoint conference platforms. With an H.323-aware packet inspection firewall that opens and closes TCP and UDP ports as required, the Polycom VBP Series provides H.323 proxies that enable one public IP to serve all the video communications needs. With availability for bandwidths from 1 Mbps to 200 Mbps, the Polycom VBP Series is also configurable for centralized or decentralized dial plans, depending on IT requirements.

An Essential Element in the Polycom UC Intelligent Core™

The engine of Unified Communications starts with the Polycom UC Intelligent Core, a full portfolio of collaboration infrastructure solutions that enables teams to interact over voice and video anywhere, anytime. The UC Intelligent Core drives our solutions architecture by providing built-in intelligence—including resiliency, redundancy, cost-effective scale, and native integration with major UC partners—to connect the most people in the highest quality for the lowest cost.

Learn More

To find out more about what the Polycom VBP Series solution or other Polycom solutions can do for you, visit us at polycom.com or call 1.800.POLYCOM



Benefits

- ▶ Accelerate ROI in existing networks by easily extending telepresence and video to new groups of users
- ▶ Increase communication quality with customers, partners, and remote colleagues
- ▶ Reduce the impact of telepresence and video on the network with secure traffic optimization
- ▶ Interoperable with all standards-based video endpoints, gatekeepers, and multipoint conferencing platforms

Polycom Video Border Proxy Series Specifications

The Polycom Video Border Proxy™ (VBP™) NAT/Firewall traversal solutions supplant or integrate with existing firewalls giving remote users a trusted route into room and personal telepresence and traditional video conferences. Quality is optimized by prioritizing video traffic over data traffic, providing both shortest-path routing and traffic shaping.

Network Security

- Application layer gateway dynamically provisions and closes UDP ports used for video and voice calls
- NAT/PAT server hides enterprise LAN topology

Passive Call Quality Monitoring (voice only)

- Per-call statistics include mean opinion score or MOS (average and minimum), jitter, latency, packet loss, and much more
- Alarms for poor MOS scores

Dialing Methods

- E.164, E-mail or Annex O format, IP address, IP address + extension (inbound from the wide area network only)

Embedded Gatekeeper

- Gatekeeper neighboring ensures call reliability, and least cost routing in the local or wide area network (E Model)

Deployment Models

- LAN side gatekeeper, embedded gatekeeper, neighboring proxy, embedded gatekeeper neighboring, prefix dialing/peering proxy, WAN side gatekeeper

Target Application

- Used for distributed gatekeeper applications when dialing endpoints outside of your network that are not registered with your gatekeeper

Polycom VBP 4350

WAN Interfaces

- T1 (not available on VBP 4350W model)
- Framing: ESF
- Line coding: B8ZS
- Line build out: 0,-7.5,-15dB

Ethernet

- 10/100 Mbps
- Auto-sensing, full or half duplex

Wireless

- VBP 4350W model only 802.11 (b & g)

LAN Interfaces

- 4 x 10/100 Mbps Ethernet ports
- Auto-sensing, full or half duplex
- Managed switch supports VLAN 802.1Q tagging and forwarding for up to 16 unique VLAN Ids

Dimensions

- Height 1.7", Width 10", Depth 7"
- System weight: 2 lbs.
- Power supply weight: 1 lbs.
- WEEE weight: 3 lbs.
- Shipping weight: 5 lbs.

Power

- External power brick: 12V, 3.0A
- Max watts: 36

Regulatory

- FCC Part 15 (Class B), UL, CE (Class B), FCC Part 68 and Industry Canada

Polycom VBP 5300

WAN Interfaces

- 1 x 10/100 Mbps Ethernet port
- Auto-sensing, full or half duplex

LAN Interfaces

- 1 x 10/100 Mbps Ethernet port
- Auto-sensing, full or half duplex

Out-of-Band Management Interface

- 1 x 10/100 Mbps Ethernet port
- Auto-sensing, full or half duplex

Dimensions

- Height 1.7", Width 16.9", Depth 14"
- WEEE weight: 13 lbs.
- Shipping weight: 18 lbs.

Power

- 100/240v VAC, auto-selecting, 50 to 60 Hz
- Max watts: 460

Regulatory

- FCC, UL, cUL, CE, RoHS, Industry Canada ICES-003, Korean MIC and NZ/AU C-tick

Polycom VBP 6400

WAN Interfaces

- 1 x 10/100/1000 Mbps Ethernet port
- Auto-sensing, full or half duplex

LAN Interfaces

- 1 x 10/100 Mbps Ethernet port
- Auto-sensing, full or half duplex

Out-of-Band Management Interface

- 1 x 10/100 Mbps Ethernet port
- Auto-sensing, full or half duplex

Dimensions

- Height 3.8", Width 17.5", Depth 26.5"
- WEEE weight: 45 lbs.
- Shipping weight: 55.2 lbs.

Power

- 100/240v VAC, auto-selecting, 50 to 60 Hz
- Max watts: 1080

Regulatory

- FCC Class A, CE, UL, EMS, VCCI, GS Mark, Gost R, Korean MIC and RoHS

Polycom Video Border Proxy Series

Model	Performance	Number of Registrations	Embedded Gatekeeper	Access Proxy
4350 E	Up to 3 Mbps of traffic in any combination of voice, video or data	15	Yes	No
5300 E	Up to 25 Mbps of traffic in any combination of voice, video and data	5300 E-10 = 50 5300 E-25 = 100	Yes	No
5300 ST	Up to 25 Mbps of traffic in any combination of voice, video and data	5300 ST-10 = 50 5300 ST-25 = 100	No	Yes
6400 E	Up to 85 Mbps of traffic in any combination of voice, video or data	250	Yes	No
6400 ST	Up to 200 Mbps of traffic in any combination of voice, video or data	250	No	Yes

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