



NEXT-GENERATION MULTI-WAN GATEWAY

MPLS Augmentation | WAN Load Balancing | Link Bonding | VPN Bonding | Inbound Load Balancing | WAN Optimization
Application-Aware Routing | Application QoS | Centralized Management | Logging & Reporting | Network Security

Q-Balancer appliance is a next generation multi-WAN gateway solution that guarantees continuous connectivity for enterprise and cloud-based applications by load balancing and optimizing both outbound and inbound traffic across multiple WAN links. Q-Balancer appliance is incorporated with a variety of advanced network features, enabling enterprises to take full control of their WAN networks.

Unlike the traditional NAT-based link load balancing solutions, the WAN load balancing capability of Q-Balancer works in conjunction with application-awareness, which ensures unbreakable connectivity and increases service level and availability for corporate and cloud-based applications. Q-Balancer appliance is able to route or distribute traffic across a variety of Internet connections through the best-performing or least-loaded links based on business policy; it helps enterprises effectively harness multi-cloud networks and transforms inexpensive broadband connections into an enterprise-grade WAN.

QB-Mesh is designed to provide secure WAN access for pop-up stores and branch offices wherever they are, particularly for the locations where wired solutions are not available or costly. With its intelligent algorithms and industry-grade 4G LTE connectivity, QB-Mesh enables branch networks to stay connected as needed.

WAN RELIABILITY AND PERFORMANCE

Provides enterprises with unbreakable connectivity and increases service level and availability through routing or distributing traffic across a variety of Internet connections via the best-performing or least-loaded links based on business policy.

COST SAVING

Leverages inexpensive broadband connections and transforms them into an enterprise-grade WAN. The appliance offloads non-critical and general traffic from expensive MPLS circuits to save its expensive bandwidth for business-critical applications. The solution of centralized management system helps enterprises reduce time, cost, and probable human-errors associated with deployment and daily management for edge devices.

BETTER APPLICATION DELIVERY

Classifies business applications and selectively directs traffic down the optimal path. Application delivery works in conjunction with path monitoring and policy-based load balancing. The appliance tracks characteristics of all paths and uses the collected information to compute optimal paths for data transmission.

NETWORK SIMPLIFICATION

Reduces the reliance on expensive certified specialists as its configuration is simple and fast. The appliance helps enterprises mitigate the reliance on other network devices like routers, DHCP server, firewall, etc. With the consolidated features and user-friendly user interface, the complexity of network management can be lowered to certain level for branch networks.

HIGHLIGHTS

- > Improving WAN reliability and performance
- > Optimal application delivery
- > Increasing VPN reliability and performance
- > Augmenting MPLS reliability and performance
- > Flexibly increasing WAN scalability
- > Ensuring accessibility to internal server for external requests
- > Lowering WAN OpEx and CapEx
- > Mitigating potential security threats
- > Reliable Internet connectivity for branch networks anywhere
- > Enhancing dynamic routing capability
- > Minimizing effort for branch devices installation
- > Simplifying branch network infrastructure
- > Increasing backhaul capacity



SPECIFICATIONS

QB-MESH



Designed for	Remote / Branch / Mobile
Recommended Users ¹	50 - 150

SYSTEM

Throughput (bps)	500M
WAN Links	4 - 7
Concurrent Connections	50K
Connections per Second	5K

HARDWARE

CPU	Quad Core
Network Interfaces (GbE)	4
Hardware LAN Bypass (Pairs)	○
User-defined Port	●
Embedded 4G LTE Modems ²	1 - 4
USB 4G Modems ³	1
Wi-Fi LAN Support ⁴	●
GPS Interface with Female Antenna Connector	●

DIMENSION

Form Factor	Desktop
W x D x H (mm)	195 × 138 × 70
Net Weight (Kg)	2

ENVIRONMENT

Power Supply	External Adapter
Max. Power Consumption (Watt)	60
Operating Temperature (°C)	0 ~ +40
Storage Temperature (°C)	-20 ~ +70
Humidity	10% ~ 90% RH, non-condensing
Certifications	FCC, CE, RoHS
Warranty	1-Year Limited Warranty

Remarks: ¹ Recommendation for sizing purposes only. No software restrictions applied. ² 4G LTE/ 5G modules can be optionally added. ³ USB 4G Modem works as failover mode. ⁴ Wi-Fi LAN is an option. ⁵ All specifications are subject to change without prior notice.

ORDERING INFORMATION

PRODUCT	SKU	DESCRIPTION
QB-MESH w/o 4G LTE	QB-Mesh-0	It supports 4 WAN links, 7 bonding tunnels, and 500 Mbps throughput.
QB-MESH w/1*4G LTE	QB-Mesh-1	It supports 4 WAN links (via 3 x GbE + 1 x 4G LTE modules), 7 bonding tunnels, and 500 Mbps throughput.
QB-MESH w/2*4G LTE	QB-MESH-2	It supports 5 WAN links (via 3 x GbE + 2 x 4G LTE modules), 7 bonding tunnels, and 500 Mbps throughput.
QB-MESH w/3*4G LTE	QB-MESH-3	It supports 6 WAN links (via 3 x GbE + 3 x 4G LTE modules), 7 bonding tunnels, and 500 Mbps throughput.
QB-MESH w/4*4G LTE	QB-MESH-4	It supports 7 WAN links (via 3 x GbE + 4 x 4G LTE modules), 7 bonding tunnels, and 500 Mbps throughput.