



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-300 is designed for small and medium-sized enterprises, and it supports up to 25 WAN links and up to 4Gbps throughput. This 1U rack mountable appliance ensures connectivity while providing key features for enterprises including routing, firewall and bandwidth management.

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-300



Designed for	Small and Medium
Recommended Users ¹	100 - 500

SYSTEM

Throughput (bps)	300 - 4000 M
WAN Links	7 - 25
Concurrent Connections	800K
Connections per Second	40K

HARDWARE

CPU	Quad Core
Network Interfaces (GbE)	8
Hardware LAN Bypass (Pairs) ²	•
User-defined Port	•
Inbuilt 4G LTE/ Wi-Fi Module ³	1
USB 4G Modems ⁴	•
QBReport ⁵	•

DIMENSION

Form Factor	1U
W x D x H (mm)	428 x 321 x 44
Net Weight (Kg)	4.5

ENVIRONMENT

Power Supply ⁶	Single / Dual
Max. Power Consumption (Watt)	220
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 LAN Bypass pair can optionally be added. ³ 4G LTE or Wi-Fi Module can be optionally added. ⁴ USB 4G Modem only works as failover line. ⁵ QBReport is an option. ⁶ Redundant Power Supply is an option. ⁷ All specifications are subject to change without prior notice.

ORDERING INFORMATION

PRODUCT	SKU	DESCRIPTION
QB-300 w/ 300Mbps	QB-300-1	1U rack-mountable appliance with 8 x GbE ports, supporting 7 WAN links, 20 bonding tunnels, and 300Mbps throughput.
QB-300 w/ 600Mbps	QB-300-2	1U rack-mountable appliance with 8 x GbE ports, supporting 25 WAN links, 350 bonding tunnels, and 600Mbps throughput.
QB-300 w/ 900Mbps	QB-300-3	1U rack-mountable appliance with 8 x GbE ports, supporting 25 WAN links, 350 bonding tunnels, and 900Mbps throughput.
QB-300 w/ 1200Mbps	QB-300-4	1U rack-mountable appliance with 8 x GbE ports, supporting 25 WAN links, 350 bonding tunnels, and 1200Mbps throughput.
QB-300 w/ 1500Mbps	QB-300-5	1U rack-mountable appliance with 8 x GbE ports, supporting 25 WAN links, 350 bonding tunnels, and 1500Mbps throughput.
QB-300 w/ 3000Mbps	QB-300-1-3G	1U rack-mountable appliance with 8 x GbE ports, supporting 7 WAN links, 20 bonding tunnels, and 3000Mbps throughput.
QB-300 w/ 4000Mbps	QB-300-1-4G	1U rack-mountable appliance with 8 x GbE ports, supporting 7 WAN links, 20 bonding tunnels, and 4000Mbps throughput.