

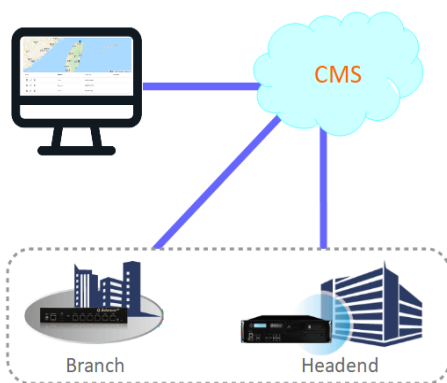


CENTRALIZED MANAGEMENT SYSTEM

QB-Manager (QBM) is a centralized management system providing comprehensive and powerful features for enterprise networks that take on Q-Balancer devices. QBM is incorporated with features of auto-provisioning, policy and configuration management, firmware upgrade, monitoring, etc. for all connected Q-Balancer devices. QBM improves productivity, reduce costs, and enhance the intelligence of your network and business operations with the abilities to enable IT teams to deploy, monitor, manage, and troubleshoot WAN connections all over the world.

Features

QBM is a browser-accessed software solution running within a virtual machine on a standard user provided servers or in the cloud. A single instance can manage and collect data for up to hundreds of gateway devices, including headend and branch gateway devices. The centralized management service is included as a part of our QBCare warranty services. You can easily access the web user interface of any managed device with simply a click.



Device Provisioning

The incorporated ability of zero-touch provisioning (ZTP) enables branch gateway devices to be provisioned in minimal effort. When a branch gateway device is installed, ZTP automates follow-up steps and configuration. New branch devices installation can also be done with the feature of configuration clone or bulk configuration. Centralized network provisioning for automatic configuration dramatically reduces tasks of the error-prone policy configurations and speeds up the process of network building.

Zero-Touch Deployment

Q-Balancer devices are capable of provisioning with the ability to preconfigure deployment settings before sending devices to branch networks. New branch deployment will automate the process of provisioning and start to work.

Bulk Configuration

An initial configuration file with default values can be pushed

onto managed devices promptly for bulk configuration, and customize it based on the specific requirements of individual branch network later.

Device Management

QBM enables IT teams to centrally define granular routing policies including the combination of users, application groups and links, pushing configurations to branch sites in accordance with business intent. This approach speeds up the process of network management and dramatically prevents the possibility of human errors. It minimizes the administrative effort and operational cost associated with managing branch gateway devices.

Centralized Policy

Outbound traffic and firewall rules can be pushed onto the managed devices with a click to save time.

Drag-N-Drop Tunnel Creation

Network administrators are now able to build a VPN network in minutes with the feature of drag-n-drop tunnel creation. Simply select a network topology of a group, and build overlay tunnels using drag-n-drop tunnel creation between the VPN peers in the group.

Centralized Firmware Upgrade

Current firmware version of all managed devices can be centrally viewed and updated from a single screen.

Centralized Configuration

Configurations can be managed from a central location, and thus network-wide configuration changes can be simultaneously activated in every branch gateway device. Configurations can also be synchronized and archived for easy recovery.

Multi-Tenancy & RBAC

Network administrators are able to manage multiple sites from a single screen and with a suitable role-based access control.



Centralized Web Admin

For the purposes of diagnosis or configuration change, network administrators can centrally access any managed device from a single screen.

Logging & Reporting

QBM provides powerful analytics combining with data mining and graphical reporting capabilities. Events and alerts can be centrally collected and reported for further analysis. While this capability doesn't prevent failed links or high latency and jitter, it prevents those factors from impacting the continuity across enterprise networks. Real-time monitoring and historical reporting are handy for network administrators when it comes to fault finding, troubleshooting, network and capacity planning, ROI analysis, and SLA confirmation.

Device Monitoring

Geographically oriented maps, topology view, and tabular view display status of managed devices with visual indications.

Comprehensive Report

Discover applications and clients that use bandwidth more than expected, and so those issues can be corrected accordingly.

Link Monitoring

Show link quality like packet loss, latency, and jitter in a network so that poor performing links can be highlighted and reported to network administrators.

Event Logs

View all operations in a network, including all network events such as who, when, and what.

Email Notifications

Specify events for which assign groups or devices to receive email notifications.

QB-Manager

Designed for Large Organizations/ Data Centers

SYSTEM REQUIREMENT

Hypervisor Supported	VMware Hypervisor ESXi 6.7.0 or higher
Minimum vCPU Required	2
Minimum Network Interfaces	2
Minimum Memory (GB)	4
Minimum Storage (TB)	1 (Locally attached storage only)

Remarks: ¹ All specifications are subject to change without prior notice.

ORDERING INFORMATION

PRODUCT	SKU	DESCRIPTION
QBM w/ 5 devices	QBM-5	QBM one-year license, which supports up to 5 devices on VMware ESXi platform.
QBM w/ 100 devices	QBM-100	QBM one-year license, which supports up to 100 devices on VMware ESXi platform.
QBM w/ 500 devices	QBM-500	QBM one-year license, which supports up to 500 devices on VMware ESXi platform.