QuantaMesh 3000 Series
BMS T3048-LY8

A Powerful ToR Switch for Data Center and Cloud Computing

quanta®

Overview

Datacenter networks are facing a major paradigm shift toward the disaggregation of software and hardware. This move, combined with the benefits of software-defined networking (SDN) allows network administrators respond quickly to changing business requirements at a lower capital cost as well as reducing the network operations complexity.

QuantaMesh BMS products offer higher performance, increased availability, low latency and better serviceability. QuantaMesh T3048-LY8 supports 48 SFP+ and up to 6 QSFP+ ports in a compact 1U size. By leveraging the new generation merchant silicon chips, T3048-LY8 is a high performance high density Ethernet switch with an affordable price for the deployment of data center infrastructure. With ONIE (Open Network Installation Environment) pre-loaded on QuantaMesh BMS switches, it provides the flexibility and allows choice of network operating system supported by ONIE installer. This provides agile installation process and faster response for the changing business demand.

Simplicity

48 1/10GbE SFP+ ports

4 40GbE QSFP+ ports

Dual 40GbE QSFP+ ports (rear panel)

1 RJ-45 out-of-band management port (10/100/1000M)

1 RJ-45 console port

1 USB v2.0 port

1+1 hot-swappable power supply

2+1 hot-swappable fan

High Switching Performance

Switching capacity: 1.44Tbps

Forwarding rate: 1071Mpps

Memory: 2GB DDR3

CPU: Intel Rangeley

MAC: UFT

Packet buffer: 12MB

Jumbo frame: 12K

Storage: 32G SSD

Mechanical

Dimension (HxWxD): 44x435x508 mm

Weight: 9.13kg(NET)

Operation Environment

Operating temperature: 0~45°C

Operating humidity: 90% maximum relative humidity

Safety

UL, cUL, CB

EMC

CE, FCC

Environmental

Reduction of Hazardous Substances (RoHS) 6