



QuantaMesh 3000 Series BMS T3048-LY8

A Powerful ToR Switch for
Data Center and Cloud Computing



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.

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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