



QuantaMesh 3000 Series BMS T3048-LY2

A Powerful Top-of-Rack Switch for
Cloud Datacenters



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-LY2 supports 48 SFP+ (1/10GbE speed) and 4 QSFP+ (10/40GbE speed) ports in a compact 1U size. By leveraging merchant silicon chips, T3048-LY2 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 SFP+ ports support 1/10GbE
- 4 QSFP+ ports support 10/40GbE
- 1 RJ-45 out-of-band management port (10/100/1000M)
- 1 RJ-45 console port
- 1+1 hot-swappable power supply

High Switching Performance

- Switching capacity: 1.28Tbps
- Forwarding rate: 960Mpps
- 1.2 microseconds latency
- Memory: 2GB DDR3
- Flash: 64MB
- MAC: 128K
- Packet buffer: 9MB
- Jumbo frame: 12K
- Storage: 2GB MicroSD

Mechanical

- Dimension (HxWxD): 42.8x435x393.7 mm
- Weight: 7.7kg (NET)

Operation Environment

- Operating temperature: 0~45°C
- Operating humidity: 90% maximum relative humidity

Safety

- UL, cUL, CB, BSMI, CCC

EMC

- CE, FCC, VCCI, MSIP, BSMI, CCC

Environmental

- Reduction of Hazardous Substances (RoHS) 6

Order information

- T3048-LY2 (1LY2BZZ000R) (Front to Back)
- T3048-LY2 (1LY2BZZ000S) (Back to Front)

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