

# 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. Moreover, the CPU board design of T3048-LY8 provides option for 3rd party software to choose. Finally, with ONIE (Open Network Installation Environment) pre-loaded, it provides the flexibility and allows choice of network operating system supported by different software vendors. This provides agile installation process and faster response for the changing business demand.

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# Quanta®



## 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

## CPU Board 1

- CPU: P2020
- Memory: 2GB DDR3
- Flash: 128MB
- Storage: 8GB micro SD

## CPU Board 2

- CPU: Intel Rangeley
- Memory: 4GB DDR3
- Storage: 32GB SSD

## High Switching Performance

- Switching capacity: 1.44Tbps
- Forwarding rate: 1071Mpps
- MAC: UFT
- Packet buffer: 12MB
- Jumbo frame: 12K

## Mechanical

- Dimension (HxWxD): 44x435x508 mm
- Weight (P2020): 9.13kg(NET)
- Weight (Rangeley): 9.02kg(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

## Order information

- T3048-LY8 (P2020, F-2-B, AC): 1LY8BZZ0ST4
- T3048-LY8 (P2020, B-2-F, AC): 1LY8BZZ0ST5
- T3048-LY8 (Rangeley, F-2-B, AC): 1LY8UZZ000E
- T3048-LY8 (Rangeley, B-2-F, AC): 1LY8UZZ0007