

QuantaMesh BMS T3048-LY9



A Powerful 10GBASE-T Top-of-Rack Switch for Data Center and Cloud Computing

- 10GBT
- ONIE Pre-loaded
- x86 CPU Board Support
- SDN Ready
- CL OS Pre-loaded

Datacenter networks is 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, and better serviceability to meet datacenter installation environment. QuantaMesh T3048-LY9 supports 48 100/1000/10G Base-T ports and 6 40G QSFP+ ports in a compact rack unit size. By leveraging the new generation merchant silicon chips, T3048-LY9 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-LY9 provides option for 3rd party software 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.

About QCT

Quanta Cloud Technology (QCT) is a global datacenter solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation datacenter design and operation challenges. QCT serves cloud service providers, telecoms and enterprises running public, hybrid and private clouds.

Product lines include hyper-converged and software-defined datacenter solutions as well as servers, storage, switches, integrated racks with a diverse ecosystem of hardware component and software partners. QCT designs, manufactures, integrates and services cutting edge offerings via its own global network. The parent of QCT is Quanta Computer, Inc., a Fortune Global 500 corporation.

Physical ports

- **Port configuration:** 48 100/1000/10GBASE-T and 6 QSFP+ ports
- **Management Port:** Out-of-band management port (RJ-45, 10/100/1000Base-T)
- **Console Port:** 1 (RJ-45)
- **USB:** 1 (v 2.0)

CPU Board 1

- **CPU:** Freescale P2020
- **Memory:** 2GB DDR3/ECC
- **Flash:** 128MB
- **Storage:** 8GB Micro SD

CPU Board 2

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

Performance

- **MAC:** Unified Forwarding Table to dynamically allocate the L2/ L3 tables
- **Switching capacity:** 1.44Tbps
- **Maximum forwarding rate:** 1071Mpps
- **Latency:** <3us

High Availability

- **Redundant power supply:** 1+1
- **Hot-swappable fan tray:** N+1

Mechanical

- **Dimension (HxWxD):** 44x435x508mm
- **Weight:** P2020: 9.6kg/ 21.16lbs (NET)
Rangeley: 9.49kg/ 20.92lbs (NET)

Environmental Specifications

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

Electrical

- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 330 watts (tested with optics and Cat6A with 100% loading, AC input)
- **Safety:** UL, cUL, CB, BSMI, CCC
- **EMC:** CE, FCC, VCCI, CCC, RCM

RoHS

- **Reduction of Hazardous Substances (RoHS) 6**

Order Information

- **BMS T3048-LY9 (1LY9BZZ0000) (F-2-B, AC, P2020)**
- **BMS T3048-LY9 (1LY9BZZ0001) (B-2-F, AC, P2020)**
- **BMS T3048-LY9 (1LY9UZZ000T) (F-2-B, AC, Rangeley)**
- **BMS T3048-LY9 (1LY9UZZ000U) (B-2-F, AC, Rangeley)**
- **BMS T3048-LY9 (1LY9UZZ000V) (F-2-B, AC, Rangeley with CL OS pre-loaded, US only)**
- **BMS T3048-LY9 (1LY9UZZ000W) (B-2-F, AC, Rangeley with CL OS pre-loaded, US only)**
- **PSU - Red (1HY9ZZZ0336) (F-2-B, AC, 750W)**
- **PSU - Blue (1HY9ZZZ0337) (B-2-F, AC, 750W)**
- **FAN Module (1HY9ZZZ022X) (F-2-B)**
- **FAN Module (1HY9ZZZ022Y) (B-2-F)**

Get a quote: www.QCT.io

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QCT authorized partner

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