QuantaMesh BMS T5016-LB8D

A Powerful Spine/Leaf Switch for Datacenter and Cloud Computing

- ONIE Pre-loaded
- High Availability
- SDN Ready

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 T5016-LB8D supports 16 QSFP+ (10/40GbE speed) ports in a compact 1U size. By leveraging merchant silicon chips, T5016-LB8D 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.

About QCT

QCT (Quanta Cloud Technology) is a global datacenter solution provider extending the power of hyperscale datacenter design in standard and open SKUs to all datacenter customers. Product lines include servers, storage, network switches, integrated rack systems and cloud solutions, all delivering hyperscale efficiency, scalability, reliability, manageability, serviceability and optimized performance for each workload. QCT offers a full spectrum of datacenter products and services from engineering, integration and optimization to global supply chain support, all under one roof. The parent of QCT is Quanta Computer Inc., a Fortune Global 500 technology engineering and manufacturing company.

Physical ports
- **Port configuration:** 16 40GbE QSFP+ ports
- **Management Port:** Out-of-band management port (RJ-45, 10/100/1000Base-T)
- **Console Port:** 1 (RJ-45)
- **USB:** USB 2.0

Performance
- **MAC:** 128K
- **Switching capacity:** 1280Gbps
- **Maximum forwarding rate:** 952Mpps
- **Latency:** <1.2us

High Availability
- **Redundant power supply:** 1+1
- **Hot-swappable fan tray:** 4 fixed fan

Mechanical
- **Dimension (HxWxD):** 42.8x435x393mm
- **Weight:** 7.3kg/16.09lbs (NET)

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

Electrical
- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 192 watts (L2 64B line rate; 10G-SR optics, 100% fan duty)
- **Safety:** UL, cUL, CB
- **EMC:** CE, FCC, VCCI

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

QCT authorized partner