

# QuantaMesh BMS T1048-LB9



## 1G/10G Datacenter & Enterprise-Class Ethernet switch

- 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 T1048-LB9 supports 48 10Base-T/100Base-TX/1000Base-T ports and 4 dual speed 1/10GbE SFP+ ports in a compact 1U size. By leveraging merchant silicon chips, T1048-LB9 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:** 48 100/100/1000BAE-T and 4 1/10GbE SFP+ 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:** 32K
- **Switching capacity:** 176Gbps
- **Maximum forwarding rate:** 131Mpps

### High Availability

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

### Mechanical

- **Dimension (HxWxD):** 42.8x435x393mm
- **Weight:** 7.15kg/15.75lbs (NET)

### Environmental Specifications

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

### Electrical

- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 95 watts (L2 64B line rate; 10G-SR optics, 100% fan duty)
- **Safety:** UL, cUL, CB, BSMI, CCC
- **EMC:** CE, FCC, VCCI, MSIP, BSMI, CCC, RCM, Anatel

### RoHS

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

### Order Information

- **BMS T1048-LB9 (1LB9BZZ0STQ) (F-2-B, AC)**
- **BMS T1048-LB9 (1LB9BZZ0STR) (B-2-F, AC)**

### Get a quote: [www.QCT.io](http://www.QCT.io)

#### United States

QCT LLC., Silicon Valley office  
1010 Rincon Circle, San Jose, CA 95131  
TOLL-FREE: 1-855-QCT-MUST  
TEL: +1-510-270-6111  
FAX: +1-510-270-6161  
Support: +1-510-270-6216

#### China

云达科技, 北京办公室 (Quanta Cloud Technology)  
Room 1508, East Tower 15F, World Financial Center,  
No.1, East 3rd Ring Zhong Rd., Chaoyang District,  
Beijing, China  
TEL: +86-10-5920-7600  
FAX: +86-10-5981-7958

云达科技, 杭州办公室 (Quanta Cloud Technology)  
Room 303, Building No.4, ZheShang Wealth Center,  
No.83, GuDun Rd., Xihu District,  
Hangzhou, Zhejiang, China  
TEL: +86-571-2819-8650

#### Japan

Quanta Cloud Technology Japan 株式会社  
Makita Building 3F, 2-5-8, Shibadai-mon, Minato-ku,  
Tokyo 105-0012, Japan  
TEL: +81-3-5777-0818  
FAX: +81-3-5777-0819

#### Taiwan

雲達科技 (Quanta Cloud Technology)  
No. 211 Wenhua 2nd Rd., Guishan Dist.,  
Taoyuan City 33377, Taiwan  
TEL: +886-3-286-0707  
FAX: +886-3-327-0001

#### Other regions

Quanta Cloud Technology  
No. 211 Wenhua 2nd Rd., Guishan Dist., Taoyuan  
City 33377, Taiwan  
TEL: +886-3-327-2345  
FAX: +886-3-397-4770

QCT authorized partner

All specifications and figures are subject to change without prior notice. Actual products may look different from the photos.

QCT, the QCT logo, Rackgo, Quanta, and the Quanta logo are trademarks or registered trademarks of Quanta Computer Inc.

All trademarks and logos are the properties of their representative holders.  
Copyright © 2014-2015 Quanta Computer Inc. All rights reserved.