

# 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

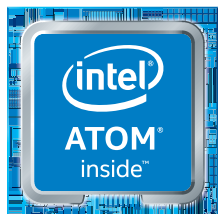
Data center networks is facing a major paradigm shift toward the disaggregation of software and hardware. This move, combined with the benefits of software-defined networking (SDN) allows network administrators respond quickly to changing business requirements at a lower capital cost as well as reducing the network operations complexity.

QuantaMesh BMS products offer higher performance, increased availability, and better serviceability to meet data center 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 data center solution provider. We combine the efficiency of hyperscale hardware with infrastructure software from a diversity of industry leaders to solve next-generation data center 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 data center 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.



Powered by Intel Atom® processors  
Intel Inside®. New Possibilities Outside.

Found at: [www.QCT.io/wheretobuy](http://www.QCT.io/wheretobuy)



Found at: [www.QCT.io/wheretobuy](http://www.QCT.io/wheretobuy)

#### 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)  
北京市朝阳区东大桥路12号润诚中心2号楼  
TEL: +86-10-5920-7600  
FAX: +86-10-5981-7958

#### 云达科技, 杭州办公室

(Quanta Cloud Technology)  
浙江省杭州市西湖区古墩路浙商财富中心4号楼  
303室  
TEL: +86-571-2819-8650

#### Japan

Quanta Cloud Technology Japan 株式会社  
日本国東京都港区芝大門二丁目五番八号  
牧田ビル3階  
TEL: +81-3-5777-0818  
FAX: +81-3-5777-0819

#### Taiwan

雲達科技 (Quanta Cloud Technology)  
桃園市龜山區文化二路211號1樓  
TEL: +886-3-286-0707  
FAX: +886-3-327-0001

#### Germany

Quanta Cloud Technology Germany GmbH  
Hamborner Str. 55, 40472 Düsseldorf  
TEL: +49-2405-4083-1300

#### 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 respective holders.  
Copyright © 2014-2017 Quanta Computer Inc. All rights reserved.

### 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 Atom® Processors
- **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)  
Intel Atom®: 9.49kg/ 20.92lbs (NET)

### Environmental Specifications

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

### Electrical

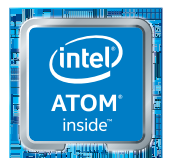
- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 330 watts (tested with optics and Cat6A with 100% loading, AC input)
- **Safety:** UL, cUL, CB, BSMI, CCC
- **EMC:** CE, FCC, VCCI, CCC, RCM

### 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)**



Intel Inside®. New Possibilities Outside.

Intel, the Intel logo, Intel Inside, Intel Inside logo, Intel Atom and Intel Atom Inside are trademarks of Intel Corporation in the U.S. and/or other countries.