

QuantaMesh BMS T3048-LY8



A Powerful Top-of-Rack Switch for Datacenter and Cloud Computing

- ONIE Pre-loaded
- x86 CPU Board Support
- ONL Ready
- OF-DPA Ready
- Cumulus Linux Ready

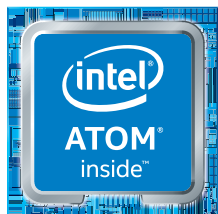
Data center networks are facing a major paradigm shift toward the disaggregation of software and hardware. This move, combined with the benefits of software-defined networking (SDN) allows network administrators respond quickly to changing business requirements at a lower capital cost as well as reducing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

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.



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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



INFO@HYPERSCALERS.COM

+61 1300 113 112

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Physical ports

- **Port configuration:** 48 1/10GbE SFP+ and 6 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

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:** 1440Gbps
- **Maximum forwarding rate:** 1071Mpps
- **Latency:** <600ns

High Availability

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

Mechanical

- **Dimension (HxWxD):** 44x435x508mm
- **Weight:** P2020: 9.13kg/20.111lbs (NET)
Intel Atom®: 9.02kg/ 19.87lbs (NET)

Environmental Specifications

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

Electrical

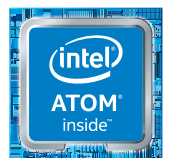
- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 215 watts (L2 64B line rate; 10G-SR optics, 100% fan duty)
- **Safety:** UL, cUL, CB
- **EMC:** CE, FCC

RoHS

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

Order Information

- **BMS T3048-LY8 (1LY8BZZ0ST4) (F-2-B, AC, P2020)**
- **BMS T3048-LY8 (1LY8BZZ0ST5) (B-2-F, AC, P2020)**
- **BMS T3048-LY8 (1LY8UZZ000P) (F-2-B, AC, Rangeley)**
- **BMS T3048-LY8 (1LY8UZZ000N) (B-2-F, AC, Rangeley)**
- **BMS T3048-LY8 (1LY8UZZ000Q) (F-2-B, AC, Rangeley with CL OS pre-loaded, US only)**
- **BMS T3048-LY8 (1LY8UZZ000R) (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)**



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