

QuantaMesh BMS T5032-LY6



A Powerful Spine/Leaf Switch for Datacenter and Cloud Computing

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

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 T5032-LY6 supports 32 QSFP+ (10/40GbE speed) ports in a compact 1U size. By leveraging the new generation merchant silicon chips, T5032-LY6 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. The CPU board design allows T5032-LY6 to install different CPU in order to meet software requirement. 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:** 32 QSFP+ ports
- **Management Port:** Out-of-band management port (RJ-45, 10/100/1000Base-T)
- **Console Port:** 1 (RJ-45)
- **USB:** 1 (v2.0)

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:** 2560Gbps
- **Maximum forwarding rate:** 1904Mpps
- **Latency:** <600ns

High Availability

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

Mechanical

- **Dimension (HxWxD):** 44x435x483mm
- **Weight:** P2020: 9.93kg/ 21.87lbs (NET)
Rangeley: 9.82kg/ 21.63lbs (NET)

Environmental Specifications

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

Electrical

- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:** 200 watts (L2 256B line rate; 10G-SR optics, 100% fan duty)
- **Safety:** UL, cUL, CB, CCC
- **EMC:** CE, FCC, VCCI, CCC

RoHS

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

Order Information

- **BMS T5032-LY6 (1LY6BZZ0ST6)** (F-2-B, AC, P2020)
- **BMS T5032-LY6 (1LY6BZZ0ST7)** (B-2-F, AC, P2020)
- **BMS T5032-LY6 (1LY6UZZ0003)** (F-2-B, AC, Rangeley)
- **BMS T5032-LY6 (1LY6UZZ0004)** (B-2-F, AC, Rangeley)
- **BMS T5032-LY6 (1LY6UZZ0005)** (F-2-B, AC, Rangeley with CL OS pre-loaded, US only)
- **BMS T5032-LY6 (1LY6UZZ0006)** (B-2-F, AC, Rangeley with CL OS pre-loaded, US only)
- **PSU - Red (1HY9ZZZ016B)** (F-2-B, AC, 470W)
- **PSU - Blue (1HY9ZZZ016C)** (B-2-F, AC, 470W)
- **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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