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 service-ability. 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 differnt CPU in order to meet software require-ment. 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 Board 2
· **CPU:** Freescale P2020	· **CPU:** Intel Rangeley
· **Memory:** 2GB DDR3/ECC	· **Memory:** 4GB DDR3/ECC
· **Flash:** 128MB	· **Storage:** 32GB SSD
· **Storage:** 8GB Micro SD	

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)**

QCT authorized partner