

# QuantaMesh BMS T5032-LY6



## A Powerful Spine/Leaf Switch for Data center and Cloud Computing

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

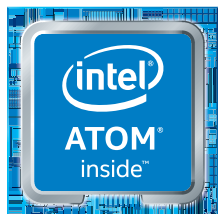
Data center networks are facing a major paradigm shift toward the disaggregation of software and hardware. This move, combined with the benefits of software-defined networking (SDN) allows network administrators respond quickly to changing business requirements at a lower capital cost as well as reducing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

QuantaMesh BMS products offer higher performance, increased availability, low latency and better serviceability. QuantaMesh 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 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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### 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 Atom® Processors
- **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)  
Intel Atom®: 9.82kg/ 21.63lbs (NET)

### Environmental Specifications

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

### Electrical

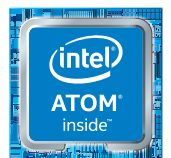
- **Power requirement:** 100~240VAC, 50/60Hz
- **Power consumption:**  
200 watts (L2 256B line rate; 10G-SR optics, 100% fan duty)
- **Safety:** UL, cUL, CB, CCC
- **EMC:** CE, FCC, VCCI, CCC

### 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)



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