

# QuantaMesh BMS T7032- IX7\_BDE



## The Next Wave Enterprise Data Center 100G Switch

- x86 CPU Support
- ONIE Pre-loaded

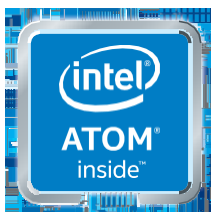
Data center networks face changes with hardware and meeting the requirements of the software it hosts. Quanta Cloud Technology provides a series of Bare Metal Switches, the QCT BMS product line, that addresses these changes in the data center market. The QCT BMS product lines support speeds up to 400G speeds on its Ethernet Switches. To meet the requirements of high performance, high availability, fast scale out, low latency performance, and continuous serviceability in data center applications, the QCT BMS product line is the best choice.

QCT BMS T7032-IX7\_BDE supports 32 QSFP28 (10/25/40/50/100GbE speed) ports and in a compact rack unit size. By leveraging merchant silicon chip, T7032-IX7\_BDE is a high performance high density Ethernet switch with advanced features such as smart table, dynamic load balancing, and VxLAN/RIOT support. T7032-IX7\_BDE provides programmable capability which allows for future changes such as telemetry & analysis or network overlays & associated metadata. With ONIE (Open Network Installation Environment) pre-loaded it could be used for multiple network operating system which supports ONIE installer to achieve agile installation and fast response for the changing 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.





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

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#### Physical Ports

- **Port configuration:** 32 QSFP28 ports support for 10/25/40/50/100GbE
- **Management Port:** 1 RJ-45 out-of-band management port (10/100/1000M)
- **Console Port:** 1 (RJ-45)
- **USB:** USB 2.0

#### Performance

- **Switching capacity:** 6.4Tbps
- **Maximum forwarding rate:** 2B PPS
- **Latency:** Ultra-low latency
- **MAC:** Unified Forwarding Table to dynamically allocate the L2/L3 tables

#### Major Components

- **ASIC:** Broadcom Trident3 BCM56870
- **CPU:** Intel® Broadwell DE D1527, TPM 2.0
- **Memory:** 8GB SO-DIMM DDR4
- **Flash:** 32MB
- **Storage:** 128G SSD M.2

#### Airflow

- **Front to Back, Back to Front**

#### Mechanical

- **Dimension (HxWxD):** 43.4x440x508mm
- **Weight:** 9.78kg(NET)

#### Environmental Specifications

- **Operating temperature:** 0°C to 45°C @sea level (F-B, B-F)
- **Operating humidity:** 90% maximum relative humidity
- **Operating Altitude:** 0 to 2952 ft, (0-900m)

#### Electrical

- **Power requirement:** 100~240V AC, 50/60Hz
- **Power consumption:** 443W (100% fan duty)

#### Safety

- **UL, cUL, CB**

#### EMC

- **CE, FCC, ICES**

#### RoHS

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

#### Supported Optics and Cables

##### Cables:

- **40G Direct Attach Copper Cable (QSFP+ to QSFP+):** 1m, 3m, and 5m
- **100G Direct Attach Copper Cable (QSFP28 to QSFP28):** 0.5m~5m
- **40G Active Optical Cable (QSFP+, 850nm, MMF):** 7m and 10m
- **100G Active Optical Cable (QSFP28, 850nm, MMF):** 1m, 3m, 5m, and 10m

##### Break-out Cables:

- **40G Direct Attach Copper Cable (QSFP+ to 4 SFP+):** 1m, 3m, and 5m
- **100G Direct Attach Copper Cable (QSFP28 to 4 SFP28):** 3m

##### Optics:

- **40G optic (QSFP+, MPO, 850nm, MMF):** 40GBASE-SR4
- **40G optic (QSFP+, LC, 1310nm, SMF):** 40GBASE-LR4
- **100G Optic (QSFP28, MPO, 850nm, MMF):** 100GBASE-SR4
- **100G Optic (QSFP28, LC, 1310nm, SMF):** 100GBASE-LR4
- **100G Optic (QSFP28, LC, 1310nm, SMF):** 100GBASE-DR1
- **100G Optic (QSFP28, LC, 1310nm, SMF):** 100GBASE-FR1
- **100G Optic (QSFP28, LC, 1271~1331nm, SMF):** 100GBASE-CWDM4

#### Order Information

- **T7032-IX7\_BDE (11X7UZZ000C) (Front to Back, AC)**
- **T7032-IX7\_BDE (11X7UZZ000D) (Back to Front, AC)**

QCT authorized partner

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