Quad Small Form-Factor Pluggable Plus (QSFP+) Port Cage Solutions

Mellanox-designed field-proven QSFP+ cage solutions for Landed-on-Motherboard (LOM) designs, adapter cards and switch systems. Offered as single QSFP+ port cages, lines of six QSFP+ port cages, and lines of six QSFP+ port cages with light pipes.

Overview
Mellanox network products are designed for various markets and applications including hubs, switches, routers and adapters. Mellanox QSFP+ cages are part and parcel of Mellanox’s 40 and 56Gb/s end-to-end solutions that have been successfully deployed in thousands of applications across the globe which use millions of Mellanox QSFP+ port cages and silicon devices. The QSFP+ port cages are offered as single QSFP+ cages and as lines of six QSFP+ port cages with or without light pipes. The six-port cages enable dense port designs of switch systems.

Build Robust and Durable Applications
Mellanox QSFP+ cages are the best fit for designs based on Mellanox adapter and switch silicon products, allowing the most cost/effective solutions in the market when purchased with Mellanox silicon devices. Having been in mass production for years by Mellanox, these QSFP+ cages offer customers the benefits of robustness, field-proven quality and high-performance. Using Mellanox cages and deployment guidelines allows for creating the optimal boards and systems, guaranteeing the best port mechanical robustness and durability. Moreover, these Mellanox high-quality QSFP+ cages enable fast mechanical and electrical qualifications as they embody many years of experience and rigorous testing at the highest industry standards, and can therefore yield faster product time to market.

The Mellanox Advantage
Mellanox QSFP+ cages offer many benefits and advantages over other industry cage solutions. Mellanox cages have been designed and optimized to meet high-volume manufacturing challenges, with millions of cages already shipped into production, high-performance clusters.

The advanced technology used for designing the cages, together with advanced thermal and assembly solutions, allow these cages to continuously demonstrate high performance and longevity in thousands of deployments across the world.

Moreover, Mellanox QSFP+ cages undergo thorough qualification and testing procedures, both as standalone and within Mellanox systems.

Finally, these cages are perfectly integrated and sized to meet Mellanox silicon requirements. They are tested in-house with Mellanox silicon devices, cables and end-to-end fabric connectivity to guarantee the highest quality design.
### Part Number | Description
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MTMQ11TPN | QSFP port cage, 1x1, through hole PCI type heat-sink
MTMQ11PPN | QSFP port cage, 1x1, press fit PCI type heat-sink
MTMQ16PPN | QSFP port cage, 1x6, press fit with PCI type heat-sink
MTMQ16PSL | QSFP port cage, 1x6, SAN type heat-sink with square light pipes

**Figure 1. MTTMQ11TPN Mechanical Drawings and Information**

**Figure 2. MTTMQ11PPN Mechanical Drawings and Information**

**Figure 3. MTTMQ16PPN Mechanical Drawings and Information**

**Figure 4. MTTMQ16PSL Mechanical Drawings and Information**

**Warranty Information**
The Mellanox optical modules include a 1-year limited hardware warranty, which covers parts repair or replacement.

**Additional Information**
For more information about Mellanox cable solutions, please contact your Mellanox Technologies sales representative or visit: [http://www.mellanox.com=>Products=>Interconnect=>Interconnect Overview](http://www.mellanox.com=>Products=>Interconnect=>Interconnect Overview)