Storage Consulting

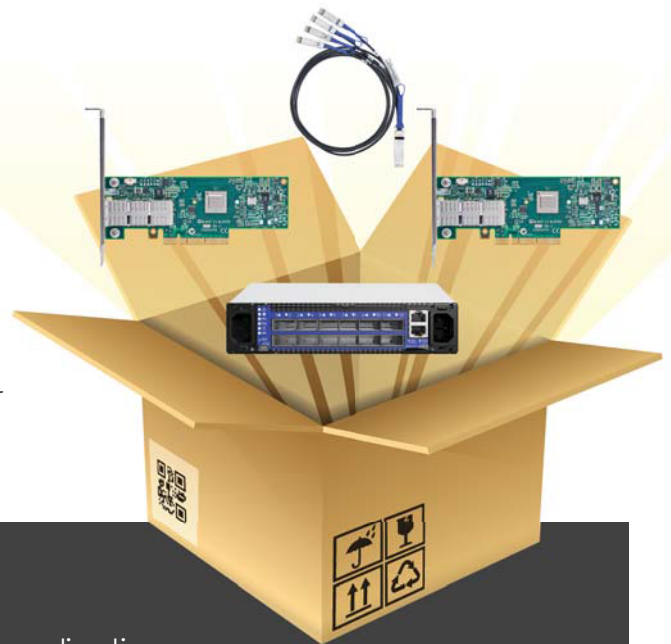**Mellanox** TECHNOLOGIES
Connect. Accelerate. Outperform.™

End-to-End Ethernet Connectivity Bundle
Flexible configurations for 10/40/56Gb Ethernet

Introducing a complete end-to-end Ethernet connectivity bundle for 10GbE, 40GbE, and even 56GbE for only **€ 6.000,00 !**

With support of up to 48 x 10GbE ports, 12 x 40/56GbE ports, or a combination of 10GbE/40GbE/56GbE ports, the bundle from Mellanox includes a switch, two adapters, software licenses, cables and support - all from a single vendor ensuring fast deployment as well as quality and support at every point in your datacenter environment.

Use this bundle to:

✓ Experience the speed of data, accelerate your applications

✓ Connect compute, database and storage with small, non-blocking switch footprint

✓ Evaluate OpenStack and more using Mellanox various plug-ins

✓ Take advantage of VXLAN / NVGRE hardware offloads for cloud setups

✓ Accelerate storage protocols like iSCSI, iSER and RDMA (RoCE)

Mellanox TECHNOLOGIES

Mellanox is the leading provider of high-performance interconnects, and the only vendor that provides a complete end-to-end 10, 40, and 56Gb/s Ethernet connectivity solution, including NICs, switches, cables, software and support. Mellanox provides the best customer experience with easy installation and management, all with seamless integration and support.

▶ **Superior Infrastructure ROI**
  ▸ Lowest cost per Gb
  ▸ Improve rack density
  ▸ Leverage power savings for more compute/storage

▶ **High Bandwidth**
  ▸ Highest available speeds - up to 56GbE
  ▸ Predictable performance with lowest latency

▶ **High Availability**
  ▸ Enhanced network resiliency
  ▸ Full redundancy for faster failure recovery

▶ **Maximum Efficiency**
  ▸ Maximum port count in smallest footprint
  ▸ Lowest power on the market
  ▸ Up to 4x reduction of cables

SwitchX®-2 MSX1012 Switch

▶ **Unique Form Factor**
- ▸ 1U, ½ rack width – special rail kit included
- ▸ Full redundancy with dual fans and power supplies
- ▸ Get up to 96 ports of 10GbE in 1U with 2 x SX1012s

▶ **Multiple Speed & Protocol**
- ▸ Run multiple speeds of Ethernet on one switch
  - 1Gb, 10Gb, 40Gb, 56Gb
- ▸ Virtual Protocol Interconnect (VPI) supports running both Ethernet and InfiniBand on the same switch
- ▸ All ports support LR4 for multi-site connectivity

▶ **Flexible Configurations:**
- ▸ 12 ports of 40Gb/56Gb Ethernet (QSFP)
- ▸ 48 ports of 10Gb Ethernet* (SFP+)
- ▸ Blocking example:
  40 x 10GbE + 2 x 40/56GbE uplinks
- ▸ Non-blocking example:
  24 x 10GbE + 6 x 40/56GbE uplinks

*Each 40/56GbE (QSFP) port can be used with a passive breakout cable to create four 10GbE (SFP+) ports.

ConnectX®-3 Pro Single Port Adapters

▶ **Highest Bandwidth**
- ▸ 10/40/56Gb Ethernet support

▶ **Highest Productivity & Efficiency**
- ▸ Reduce power, cost, cabling
- ▸ VXLAN/NVGRE offloads
- ▸ RDMA over Converged Ethernet (RoCE)

▶ **Software Support**
- ▸ Drivers for Microsoft, Linux, VMware and Citrix

LinkX™ Cables

▶ **Highest out-of-the-box quality**
- ▸ Every cable and transceiver is pre-tested, ensuring faster installations.

▶ **Better System Performance.**
- ▸ 1000x fewer transmission errors than many competitive products.

▶ **Patented Products (Quad-to-serial adapter)**
- ▸ Directly attach SFP+ copper cable to QSFP+ port (40Gb to 10Gb port)

Bundle Includes:

1 SwitchX-2 MSX1012 Switch + Rail Kit

2 ConnectX-3 Pro Single Port Adapters

1 56GbE software license for MSX1012

1 ETH/IB gateway license for MSX1012

1 1-Year Silver Support for Entire Solution

1 Passive Copper Cable, 3m: 40Gb (QSFP) → 4x10GbE (SFP+) Splitter

1 Passive Copper Cable, SFP+, 3m

1 Passive Copper Cable, VPI, QSFP, 2.5m

1 Passive Copper Hybrid Cable, 3m: 10GbE QSFP → SFP+

1 QSA Module: 40GbE QSFP - 10GbE SFP+

Optional:

Add another MSX1012 switch with software and support for only **€ 4.200,00** !

Additional accessories available including different length cables, transceivers, and adapters to customize the solution.