

# NVIDIA Mellanox MSN2010-CB2RO (920-9N110-00R7-0N0)

Kod producenta: 920-9N110-00R7-0N0



Technology	100Gb Ethernet
100GbE ports	4
25GbE ports	18
Connector Type	SFP28 QSFP28
Airflow	Front to back
Operating System	ONIE (Bare Metal)

**Mellanox Spectrum based 25GbE/100GbE 1U Open Ethernet switch with ONIE, 18 SFP28 ports and 4 QSFP28 ports, 2 Power Supplies (AC), x86 CPU, short depth, C2P airflow.**

**Half-width 10/25GbE and 100GbE Ethernet Switch for Hyperconverged Infrastructures and ESF (Ethernet Storage Fabrics)**

The SN2010 switch is the ideal top of rack (ToR) solution for hyperconverged and storage deployments. Packed with 18 ports of 10/25GbE and 4 splittable ports of 40/100GbE, the SN2010 can deliver up to 1.7Tb/s aggregate throughput.

All Spectrum based switches, including the SN2010, support low-latency line rate traffic for all packet sizes and are ONIE bootable with support for Cumulus Linux, Onyx and other open-source operating systems with a broad installed base that drives the world's most innovative data center infrastructures.

SN2010 introduces low latency for 10/25GbE and 100GbE switching, features a robust implementation of data, control and management planes, and offers the most compact form factor and lowest power consumption.

### Benefits

- Targets ESF (Ethernet Storage Fabric)
  - Combines RoCE support, full buffer utilization and low latency
  - Zero packet loss
    - True cut-through latency
    - Arranged and organized data center
  - Supports speeds of 1/10/25/40/50/56/100GbE
  - Easy deployment

- Easy maintenance
- Unprecedented performance
  - Line rate performance on all ports at all packet sizes
  - Storage and server applications run faster
- Software Defined Networking (SDN) support
- Open Ethernet available with Onyx, Cumulus or ONIE

## **Key Features**

- Throughput
  - 1.7Tb/s
  - 1.26 billion packets per second (Bpps)
- Lowest latency
  - 300nsec for 100GbE port-to-port
  - Consistently low latency regardless of packet size, or L2 vs L3 forwarding
  - Side by side configuration
  - Small port count
- Lowest power
  - 57W (ATIS) power consumption
- Half-width form factor
- RoHS compliant

*Strona firmowa produktu:*

<https://www.superstorage.pl/nvidia-mellanox-msn2010-cb2ro-920-9n110-00r7-0n0-p-5896.html>