

# NVIDIA Mellanox MSN2010-CB2R (920-9N110-00R7-0X2)

Kod producenta: 920-9N110-00R7-0X2



Technology	100Gb Ethernet
100GbE ports	4
25GbE ports	18
Connector Type	QSFP28 SFP28
Airflow	Front to back
Operating System	Onyx

## NVIDIA MSN2010-CB2R Spectrum Based 25GbE/100GbE 1U Open Ethernet Switch with Onyx 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-cb2r-920-9n110-00r7-0x2-p-5892.html>*