

# NVIDIA Mellanox MSN4600-CS2FC (920-9N302-00F7-0C2)

Kod producenta: 920-9N302-00F7-0C2



Technology	100Gb Ethernet
100GbE ports	64
Connector Type	QSFP28
Airflow	Back to front
Operating System	Cumulus Linux

## NVIDIA MSN4600-CS2FC Spectrum-3 Based 100GbE 2U Open Ethernet Switch with Cumulus Linux 64 QSFP28 Ports 2 Power Supplies (AC) x86 CPU Standard Depth P2C Airflow Rail Kit

### SN4600C Series Switches

The SN4600C is a 64-port 100GbE network switch system that is ideal for spine/super-spine applications. With a landmark 8.4Bpps processing capacity and 12.8Tb/s throughput in a dense 2U form factor, SN4600C offers diverse connectivity in combinations of 10/25/40/50/100 GbE. The SN4600C is well-suited to answer the challenging needs of large virtualized data centers and cloud environments.

### Visibility

- NVIDIA What Just Happened (WJH) telemetry dramatically reduces mean time to issue resolution by providing answers to: When, What, Who, Where and Why
- Hardware-accelerated histograms track and summarize queue depths at submicrosecond granularity
- Inband Network Telemetry (INT)-ready hardware
- Streaming Telemetry
- 512K on-chip flow counters

### Performance

- Fully shared packet buffer provides a fair, predictable and high bandwidth data path
  - Consistent and low cut-through latency
  - Intelligent hardware-accelerated data movement, congestion management & load balancing for RoCE & Machine learning applications that leverage NVIDIA GPUDirect
  - Best-in-class VXLAN scale - 10X more tunnels and tunnel endpoints
  - 512K shared forwarding entries flexibly shared across ACL, LPM routes, host routes, MAC, ECMP and
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tunnel applications

- Up to 1M IPv4 route entries

### **Agility**

- Comprehensive Layer-2, Layer-3 and RoCE
- Advanced network virtualization with high performance single pass VXLAN routing and IPv6 segment routing
- Cloud Scale NAT - 100K+ sessions
- Programmable pipeline that can programmatically parse, process and edit packets
- Deep Packet Inspection - 512B deep

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