

NVIDIA Mellanox MSN3700-VS2RO (920-9N201-00RA-0N0)

Kod producenta: 920-9N201-00RA-0N0



Technology	200Gb Ethernet
200GbE ports	32
Connector Type	QSFP56
Airflow	Back to front
Operating System	ONIE (Bare Metal)

NVIDIA MSN3700-VS2RO Spectrum-2 Based 200GbE 1U Open Ethernet Switch Bare Metal with ONIE Boot Loader 32 QSFP56 Ports 2 Power Supplies (AC) Standard Depth x86 CPU C2P Airflow Rail Kit

SN3700 Series Switches

The SN3700 spine/super-spine network switch offers 32 ports of 200GbE in a compact 1U form factor. It enables connectivity to endpoints at different speeds and carries a throughput of 12.8Tb/s, with a landmark 8.33Bpps processing capacity. As an ideal spine solution, the SN3700 allows maximum flexibility, with port speeds spanning from 10GbE to 200GbE per port.

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
 - Robust RoCE transport to power NVMe over fabric and Machine Learning applications that leverage NVIDIA GPUDirect
 - Best-in-class VXLAN scale 10X more tunnels and tunnel endpoints than others
 - 512K shared forwarding entries flexibly shared across ACL, LPM routes, host routes, MAC, ECMP and
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tunnel applications

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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<https://www.superstorage.pl/nvidia-mellanox-msn3700-vs2ro-920-9n201-00ra-0n0-p-5935.html>