NVIDIA Mellanox MSN3420-CB2RC (920-9N213-00R7-0C0)

Kod producenta: 920-9N213-00R7-0C0

Technology	100Gb Ethernet
100GbE ports	12
25GbE ports	48
Connector Type	QSFP28 SFP28
Airflow	Front to back
Operating System	Cumulus Linux

NVIDIA MSN3420-CB2RC Spectrum-2 Based 25GbE/100GbE 1U Open Ethernet Switch with Cumulus Linux 48 SFP28 Ports and 12 QSFP28 Ports 2 Power Supplies (AC) x86 CPU Short Depth C2P Airflow Rail Kit

SN3420 Series Switches

As data-center switching architectures increasingly adopt 100GbE, the SN3420 offers a high-performance, cost-effective way to evolve host connectivity from 10G to 25G. Equipped with 48 ports of 10/25GbE and 12 ports of up to 100GbE in a compact 1U form factor. The SN3420 is an ideal Top-of-Rack (ToR) network switch, delivering a total throughput of up to 4.8Tb/s with a processing capacity of 3.58Bpps. The SN3420 enables the seamless use of QSFP28 connections for leaf-spine topology and future-proofing the data center.

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 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

Strona firmowa produktu:
https://www.superstorage.pl/nvidia-mellanox-msn3420-cb2rc-920-9n213-00r7-0c0-p-5939.html