

NVIDIA Spectrum-4(920-9N42F-00RI-7C0)

NVIDIA Spectrum-4 - Switch - open Ethernet switch with Cumulus Linux authentication, 2 power supplies, x86 CPU, secure-boot, standard depth, tool-less rail kit - 64 x 800 Gigabit QSFP + 1 x 800 Gigabit SFP28 - front to back airflow - rack-mountable - AC

The NVIDIA Spectrum-4 stands out as a high-performance switch in the hubs and switches category, designed to meet the rigorous demands of modern data centers. Its front to back airflow design ensures efficient cooling, crucial for maintaining performance under heavy load. With a total of 65 ports, including 64 800 Gigabit QSFP and one 800 Gigabit SFP28, it offers extensive connectivity options for a wide range of networking requirements.

Advanced security is a cornerstone of the NVIDIA Spectrum-4, featuring secure boot to protect against unauthorized access and threats. The switch is also designed for ease of installation and maintenance, coming with a toolless rail kit and a rack mounting kit, accommodating standard depth rack environments. Powered by an x86 CPU and equipped with Cumulus Linux authentication, it delivers robust performance, making it an ideal choice for businesses looking to scale their network infrastructure efficiently and securely.

Key Selling Points

- Front to back airflow for optimal cooling
- 65 ports including 64 QSFP and one SFP28 for extensive connectivity
- Secure boot for enhanced security
- Includes toolless rail kit for easy installation
- Powered by x86 CPU with Cumulus Linux authentication for reliable performance

Product Features

- Efficient airflow design**
The NVIDIA Spectrum-4 is engineered with front to back airflow, ensuring optimal cooling for high-performance operations in any rack environment. This design supports the system's efficiency and reliability, even under heavy network traffic conditions.
- High-density connectivity**
With 65 ports, including 64 800 Gigabit QSFP ports and one 800 Gigabit SFP28 port, the NVIDIA Spectrum-4 offers extensive connectivity options. This high-density port configuration allows for flexible and scalable network architectures, accommodating a wide range of high-speed networking requirements.
- Advanced security features**
The secure boot feature of the NVIDIA Spectrum-4 ensures that only trusted software runs on the device, providing an added layer of security against unauthorized access and malicious threats. This capability is crucial for maintaining the integrity and safety of sensitive network data.
- Easy installation and maintenance**
Included toolless rail kit and a rack mounting kit make the NVIDIA Spectrum-4 easy to install and maintain. The standard depth form factor and the inclusion of two power supplies further enhance its compatibility and resilience in various rack setups.
- Robust performance**
Powered by an x86 CPU and equipped with Cumulus Linux authentication, the NVIDIA Spectrum-4 delivers robust performance and reliability. This open Ethernet switch is designed to meet the demands of modern data centers, supporting extensive data throughput and processing requirements.

Main Specifications

Product Description	NVIDIA Spectrum-4 - switch - open Ethernet switch with Cumulus Linux authentication, 2 power supplies, x86 CPU, secure-boot, standard depth, tool-less rail kit - 65 ports - rack-mountable
Device Type	Switch - 65 ports
Enclosure Type	Front to back airflow rack-mountable 2U
Subtype	800 Gigabit Ethernet
Ports	64 x 800 Gigabit QSFP + 1 x 800 Gigabit SFP28
Features	Secure boot, standard depth
Power	AC

Extended Specification

General

Device Type	Switch - 65 ports
Enclosure Type	Front to back airflow rack-mountable 2U
Subtype	800 Gigabit Ethernet
Ports	64 x 800 Gigabit QSFP + 1 x 800 Gigabit SFP28
Features	Secure boot, standard depth

Miscellaneous

Rack Mounting Kit	Included
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Power

Power Device	Internal power supply
Installed Qty	2
Max Supported Qty	2
Voltage Required	AC

Software / System Requirements

Software Included	Cumulus Linux
System Requirements Details	X86

What's in the box

- NVIDIA Spectrum-4
- Rack mounting kit

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