

Quantum Communication 4U Desktop Switch Specifications and Models



Overview

The NVIDIA Quantum-X800 Q3400-RA/Q3401-RD 4U switches, the first to leverage 200Gb/s-per-lane serializer/deserializer (SerDes) technology, significantly enhance network performance and bandwidth. They feature 144 ports at 800Gb/s distributed across 72 octal small form-factor. The NVIDIA Quantum-3 family of fixed-configuration switches revolutionizes the performance, scalability, and efficiency of high-performance computing and AI infrastructures, enabling faster and more effective AI processing and computation. These switches are available in both 4U and 2U systems. These switches incorporate advanced features, including remote direct-memory access (RDMA), the fourth-generation NVIDIA® Scalable Hierarchical Aggregation and Reduction Protocol (SHARP)™, adaptive routing, telemetry-based congestion control, and self-healing technologies. The NVIDIA Q3400-RA is a high-performance, 4U rack-mounted InfiniBand switch system engineered for next-generation AI and HPC data centers. Built on the groundbreaking NVIDIA Quantum-3 ASIC, this network switch delivers an industry-leading 115.2 Tb/s aggregate throughput through 144 non-blocking, NADDOD SiPh-based OSFP-1.

Article Content

Quantum-3 Based XDR Infiniband Switch Q3400-RA

A: The Q3400-RA is a single, large 4U switch with 144 ports. The Q3200-RA is a 2U chassis containing two independent 36-port switches, totaling 72 ports, ideal for

NVIDIA Quantum-3 4U C2P XDR IB Switch

NVIDIA Quantum-3 based XDR InfiniBand Switch,, Q3400-RA, 4U, 144 XDR Ports over 72 OSFP Cages, 8 Power Supplies (Power Cords Not Included), Standard Depth, Managed, C2P Airflow, Rail

Specifications

NVIDIA Docs Hub Homepage NVIDIA Networking Networking Switches NVIDIA Spectrum-3 SN4000 1U and 2U Switch Systems Hardware User Manual Home Specifications

4RU Communications Cabinet

4RU Communications Equipment Cabinet 4RU-300D/4RU-450D 4U Wall Mount Rack Cabinet This 19" rack cabinet has been designed for storing rack-mounted

Q3200-RA/Q3400-RA XDR 800Gb/s In niBand Switch Systems User

Additionally, NVIDIA Quantum-X800 switches feature optional router capabilities, facilitating the expansion of In niBand clusters to support a large scale of nodes located across multiple sites.

4U 19" Desktop Open Frame Rack

2-POST 4U DESKTOP OPEN FRAME RACK: Ideal for use on a workbench or in the back room of small office spaces without dedicated wiring closets - offers easy

Quantum-X800 InfiniBand XDR Switches

The NVIDIA Quantum-X800 Q3400-RA features 144 ports at 800Gb/s distributed across 72 Octal Small Form-factor Pluggable (OSFP) cages with ultra-low latency

Q3200-RA/Q3400-RA XDR 800Gb/s In niBand Switch Systems User

3 switches provide maximum exibility for various network topologies. They support a wide range of con guratio s, including Fat Tree, Dragon y+, multi-dimensional Torus, and more. In these setups, the 4U

NVIDIA Quantum-X800 XDR InfiniBand Switch, Q3400

The NVIDIA Quantum-X800 Q3400-RA 4U InfiniBand XDR switch, the first to leverage 200Gb/s- per-lane serializer/deserializer (SerDes) technology,

NVIDIA Q32xx and Q34xx XDR 800Gb/s InfiniBand Switch Systems

This manual describes the installation and basic use of the NVIDIA XDR InfiniBand switch systems based on the NVIDIA Quantum™ -3 switch ASIC. This manual is intended for IT

NVIDIA Quantum-3 Based Xdr Infiniband Switch Q3400-ra 4u 144 Xdr

Buy NVIDIA Quantum-3 Based Xdr Infiniband Switch Q3400-ra 4u 144 Xdr Ports Over 72 Ospf Cages 8 Power Supplies Standard Depth Managed C2p Airflow Rail Kit (920-9B36F-00RX-850) with fast

StarTech 4U 19" Desktop Open Frame Rack, 2 Post Free

Key Features and Benefits: Improve efficiency and accessibility in your office or server room The desktop rack features an open frame, free standing design that saves space with a small footprint.

NVIDIA Quantum-X800 XDR Switches for HPE

These switches are available in both 4U and 2U systems. NVIDIA Quantum-X800 InfiniBand switches deliver 800 gigabits per second (Gb/s)

Quantum-3 Based XDR Infiniband Switch Q3400-RA

I am interested in Quantum-3 Based XDR Infiniband Switch Q3400-RA 920-9B36F-00RX-850 4U 144 XDR Ports Over 72 OSFP Cages 8 Power Supplies could you

Introduction

The NVIDIA Quantum-X800 Q3400-RA/Q3401-RD 4U switches, the first to leverage 200Gb/s-per-lane serializer/deserializer (SerDes) technology,

N | ASUS Servers

Quantum switches support speeds ranging from 40Gb/s (older models) up to 800Gb/s in the latest Quantum-X800 series. 2. In-Network Computing A standout feature is NVIDIA Scalable Hierarchical

Quantum Connect Series

The Quantum Connect Series meet the input and output requirements of many popular configurations for small videowalls. For larger videowalls, as well as applications requiring greater scalability and

NVIDIA Quantum-X800 InfiniBand Switches | NVIDIA

The NVIDIA Quantum-X800 Q3400-RA/Q3401-RD 4U switches, the first to leverage 200Gb/s-per-lane serializer/deserializer (SerDes) technology, significantly enhances network performance and bandwidth.

NVIDIA Networking 4U Q3400-RA Quantum 3 InfiniBand

As a rack-mounted InfiniBand solution, the NVIDIA Quantum-3 switches provide maximum flexibility for various network topologies. They support a wide range of

NVIDIA Q32xx and Q34xx XDR 800Gb/s InfiniBand Switch Systems

Relevant for Models: Q3200-RA, Q3400-RA, Q3401-RD and Q3450-LD Overview This manual describes the installation and basic use of the NVIDIA XDR InfiniBand switch systems based

NVIDIA Quantum-X800 XDR Switches for HPE

The NVIDIA Quantum-X800 Q3400-RA 4U switches, the first to leverage 200 Gb/s-per-lane serializer/deserializer (SerDes) technology,

Specifications

NVIDIA Docs Hub Homepage NVIDIA Networking Networking Switches NVIDIA Q32xx and Q34xx XDR 800Gb/s InfiniBand Switch Systems User Manual Specifications

StarTech 2-Post 4U Desktop Server Rack

The 4u desktop rack features an open frame, free standing design that saves space with a small footprint. It gives you the ability to place rack-mount equipment on any surface in your office, such as

4U Data Racks/ Cabinets | Comms Express

Explore the range of 4U Data Racks/ Cabinets available at Comms Express, Networking Reseller - Free Delivery Available To Buy Online Today.

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