LENOVO FLEX SYSTEM EN4023 10 Gb SCALABLE SWITCH

Designed for simple integration into a Brocade VCS Fabric network

► MORE EFFICIENT

The Lenovo® Flex System™ EN4023 10 Gb Scalable Switch is designed for easy integration into a Brocade Virtual Cluster Switching (VCS) environment. Brocade VCS Fabric technology simplifies network design and operations for a more automated and efficient network. This switch offers flexibility via Dynamic Ports on Demand (DPOD). You can start with a base 24-port entitlement that can be applied to any of the internal or external ports. The switch also offers external Flex Ports that can be configured as Fibre Channel or FCoE ports.

► PORT FLEXIBILITY

This 10 Gb Scalable Switch allows clients to configure ports based on their needs. Clients that deploy the Lenovo Flex System x222 Compute Node can configure up to 10 nodes in the chassis with four 10 Gb uplinks using just the base switch. The x222 is a double-dense server, allowing clients to connect up to 20 independent servers using just the base switch. This allows clients to effectively manage their switch port licenses for both internal and external connections.

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Due to the scalable design of the EN4023, clients can easily add more ports via Feature on Demand (FoD) upgrades. This unique capability allows clients to pay for what they need now, while enabling expansion to meet future requirements without rip and replace. In addition to the port upgrade licenses, there is an FoD upgrade that enables support for FCoE and native Fibre Channel ports at up to 16 Gbps speeds.

▶ VMWARE SUPPORT

With 10 Gb connections, the Flex System EN4023 switch can help your organization reduce network congestion, improve application performance and meet the capacity required by 10 Gb servers. The 40 Gb uplinks can easily aggregate high-bandwidth traffic and reduce bottlenecks, helping your network operate at peak performance. The Flex System EN4023 switch includes VCS Gateway for VMware supporting the multi-hypervisor mode connectivity with VMware NSX gateway.

▶ EXPLORE ADVANTAGES

When the Flex System EN4023 is added to your Lenovo Flex System network, the combination is designed to deliver flexibility to your data center:

- A wider choice of compute nodes based on latest Intel Xeon processors.
- OS support includes Microsoft Windows Server and Linux in the same chassis.
- The advanced design of the Lenovo Flex System Enterprise Chassis provides tremendous power and cooling savings by sharing a smaller number of energy-efficient fans, power supplies, and other components.
- Internal and external storage and I/O capabilities from a portfolio of storage solutions.

▶ GET FLEXIBILITY

The addition of the Flex System EN4023 10 Gb Scalable Switch offers a new choice for clients especially if they are already deploying a Brocade VCS fabric. While workloads and technology will continue to evolve, the addition of the Flex System EN4023 provides port configuration flexibility and scalability that can help IT departments like yours continue to deliver cost-effective results.

SPECIFICATIONS

DESCRIPTION	Integrated switch designed for simple integration into a Brocade VCS Fabric network and storage area networks (SAN)
INTERFACES AND FEATURE ON DEMAND (FOD) UPGRADES	Base: 24 10 Gb Ethernet Upgrade FoD 1: 16 10 Gb Ethernet and two external QSFP+ 40 Gb ports, or 8 additional 10 Gb ports using QSFP+ 4 x 10 Gb breakout cables Upgrade FoD 2: 16 10 Gb Ethernet ports Upgrade FoD 3: Enables Fibre Channel 4/8/16 Gbps or Fibre Channel over Ethernet (FCoE) ports Port entitlement can be applied to either internal ports. Flex Port capability is available on external ports. (42 10 Gb maximum) or external ports (14 10 Gb and two 40 Gb maximum)
EXTERNAL INTERFACE TRANSCEIVER SUPPORTED	10 Gb SFP+ SR Optical Transceiver SFP+ 10GBase-LR SFP+ 10GBase-SR 10G Twinax Active 10G Active and Passive DAC 1G optical and copper 40GbaseSR4 and breakout 8G and 16G SWL Optics
DIMENSIONS	Height: 30 mm/1.18 in. Width: 401.6 mm/15.81 in. Depth: 297 mm/11.69 in.
WEIGHT	3.58 kg/7.9 1bs
POWER	85 W to 95 W
WARRANTY	Takes on the warranty of the chassis (next business day replacement with phone support and software upgrades)

Lenovo.

WHY LENOVO

Lenovo is the leading provider of x86 systems for the data center. The portfolio includes rack, tower, blade, dense and converged systems, and supports enterprise class performance, reliability and security. Lenovo also offers a full range of networking, storage, software and solutions, and comprehensive services supporting business needs throughout the IT lifecycle.

FOR MORE INFORMATION

To learn more about the Flex System EN4023 10 Gb Scalable Switch, contact your Lenovo representative or Business Partner or visit lenovo.com/servers

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