

# Lenovo Flex System EN4023 10 Gb Scalable Switch

Designed for simple integration into LAN and SAN environments

Lenovo™



## Flexible and Efficient

The Lenovo Flex System EN4023 10 Gb Scalable Switch is designed for easy integration into existing LAN and SAN environments, as well as Brocade Virtual Cluster Switching (VCS) Fabrics. Brocade VCS Fabric technology helps organizations create efficient data center networks. Ethernet fabrics built using Brocade VCS fabric technology provide unmatched automation, scalability, efficiency, and VM awareness compared to traditional network architecture and competitive fabric offerings. The switch also offers external Flex Ports that can be configured as Ethernet, Fibre Channel or FCoE ports.

## Port Flexibility

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 based on specific Flex chassis configuration needs and without requiring any manual steps, simplifying setup. Also, 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 with additional 10Gb or 40GbE ports without rip and replace. In addition to the

port upgrade licenses, there is a FoD upgrade that enables support for FCoE and native Fibre Channel ports at up to 16 Gbps speeds.

## Built for Cloud and Virtualization

As client organizations look to simplify deployment and management, the EN4023 provides support for industry standards based IT tools like OpenFlow, OpenStack, Python and Puppet. In addition, Brocade VCS Fabric provides zero-touch scalability allowing for up to 48 switches to be managed as a single logical chassis. For virtualized environments the EN4023 is a great underlay for virtual networking as one of the few blade switches in the industry that has VxLAN support in hardware. Additionally, the EN4023 has multiple integration points with VMware including VM network automation and plugin into management tools such as vCenter, vSphere, vRealize Operation Manager and vInsights.

## Optimized for Storage

Given Brocade's long storage networking history, and leadership, the EN4023 can easily plug into Brocade networking and storage management tools, while also exploiting 20 years of OS maturity to optimize IP or FC storage connectivity. For those clients looking for exceptional performance the EN4023's single ASIC design also delivers low latency sub microsecond for both Ethernet and Fibre Channel traffic while also delivering the latest Gen 5 feature support with Brocade Flex port support for up to 16Gbps Fibre Channel.

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## Specifications

<b>Description</b>	Integrated switch designed for simple integration into a Brocade VCS Fabric network and storage area networks (SAN)
<b>Interfaces and Feature on Demand (FoD) Upgrades</b>	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)
<b>External Interface Transceiver Supported</b>	10 Gb SFP+ SR Optical Transceiver SFP+ 10GBase-LR SFP+ 10GBase-SR 10G Twinax Active 10G Active and Passive DAC 1G optical and copper 40G baseSR4 and breakout 8G and 16G SWL Optics
<b>Dimensions</b>	Height: 30 mm/1.18 in. Width: 401.6 mm/15.81 in. Depth: 297 mm/11.69 in.
<b>Weight</b>	3.58 kg/7.9 lbs
<b>Power</b>	85 W to 95 W
<b>Warranty</b>	Takes on the warranty of the chassis (next business day replacement with phone support and software upgrades)
<b>For More Information</b>	See the <a href="#">product guide</a>

## Why Lenovo

Lenovo is a \$46 billion global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Lenovo enterprise systems deliver industry-leading performance, reliability, and security in virtualized and cloud environments for analytics, database, virtual desktop, infrastructure, and web workloads. Lenovo also offers simplified and extensible systems management tools so you can manage your infrastructure on your own terms. Consistently ranked #1 in reliability and customer satisfaction, the Lenovo enterprise server, storage, and networking portfolio provides the hardware for businesses that never stand still.

## For More Information

To learn more about the Lenovo Flex System EN4023 10 Gb Scalable Switch, contact your Lenovo Business Partner or visit: [lenovo.com/systems/servers](http://lenovo.com/systems/servers)

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