Lenovo Flex System x440 Compute Node

Dense Design

To meet today's ever-changing business demands, the Lenovo Flex System x440 Compute Node is designed for mainstream virtualization, database deployments, and business process memory-intensive environments. The Flex System x440 Compute Node is a price-performance optimized 4-socket compute node equipped with powerful Intel® Xeon® processors.

Many Workloads

The Flex System x440 high-density, four-socket compute node is performance-tuned and features compute, memory and I/O capacity to meet your needs. It is designed to deliver a combination of performance, built-in capabilities, and cost-effectiveness, featuring automated power management with onboard sensors to give you more control over power and thermal levels across the system.

Enables Flexibility

With virtual fabric you can take advantage of up to 64 virtual network adapters while making use of multiple protocols, including Ethernet, Fibre Channel over Ethernet and iSCSI. The system also allows you to enable features on demand for a more flexible I/O solution. Virtual fabric can require up to 75 percent fewer network adapters, cables and upstream switch ports to help control costs.

Flexible Storage

Built-in storage is available through two 2.5-inch hot swap hard drives or solid state drives. Available optional features include support for RAID 0, 1, 5, 6, 10, and 50 fully backed by cache and a high-density application acceleration solution with Flex System Flash.

These features allow you to tailor internal storage to match your specific capacity, performance, and reliability needs and support distributed database applications without sacrificing system density.

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Systems Management

The Flex System x440 Compute Node now features Lenovo XClarity, a new centralized systems management solution that helps administrators deliver infrastructure faster and with less effort.

This solution integrates easily into Lenovo System x M5 and X6 rack servers and Flex System, providing automated discovery, monitoring, firmware updates, configuration management, and bare metal deployment of operating systems and hypervisors across multiple systems.

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.

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Specifications

Processor	4/4, Intel® Xeon® processor E5-4600 v2 series
Level 2 (L2) Cache	256KB per core
Level 3 (L3) Cache	6C – 15MB, 8C – 16MB, 8C – 20MB, 10C – 25MB, 12C – 30MB
Chipset	Intel C600
Form Factor	Flex System double-wide node
Memory	48 DDR3/DDR3L LP, 1.5TB (32GB LRDIMMs)
Internal Storage	2 x hot-swap 2.5-inch (SAS/SATA/SSD)
Internal RAID	LSI 2004, RAID 0, 1 Optional ServeRAID M5115/RAID 0, 1, 5, 6, 10, 50
Internal USB	2 x Standard USB Flash Key + 1 x Front Access USB Key
Chassis Support	Flex System Enterprise Chassis
I/O Expansion	4 x Mezzanine Cards (x16 + x8 PCI Express 3.0)
Network Interface	1/10Gb Ethernet, Fibre Channel over Ethernet, iSCSI, 8/16GB Fibre Channel
Warranty	3 year
Management	iMM V2, RTMM KVM Dongle
Systems Management	Lenovo XClarity delivers a centralized systems management solution that helps administrators deliver infrastructure faster and with less effort.
Operating Systems	Microsoft Windows Server, SUSE, RedHat Enterprise Linux, VMware
RAS Features	Chassis redundant/hot-plug power and cooling Front Panel and FRU/CRU LEDs

Options

16GB (1x16GB, 2Rx4, 1.35 V) PC3L-12800 CL11 ECC DDR3 1600MHz LP RDIMM	1.6TB SAS 2.5-inch MLC HS Enterprise SSD	Emulex 8Gb FC Dual-Port HBA
46W0672	49Y6195	42D0494
Add more memory to help improve the performance of all your workloads	High-performance, dense flash to accelerate applications	Market leading host bus attachment at 8Gb, the industry dominant interface speed

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For More Information

To learn more about the Flex System x440 Compute Node, contact your Lenovo representative or Business Partner or visit **lenovo.com**/systems/servers or read the Product Guide

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