

# LENOVO FLEX SYSTEM x240 COMPUTE NODE



## GET THE MOST

The Lenovo® Flex System™ x240 Compute Node delivers powerful performance with Intel® Xeon® processors—up to a 50 percent performance boost over previous generation servers.<sup>1</sup> This enables businesses to get more out of their compute environment. Features such as automated power management with onboard sensors give you more control over power and thermal levels across the system. These capabilities, combined with memory capacity up to 768 GB, help you get the most out of your compute environment.

## GREAT FLEXIBILITY

With integrated virtual fabric take advantage of up to 32 ports of virtual networking capabilities. With 10 Gigabit Ethernet (GbE) onboard, you get multiple protocols, including Ethernet, Fibre Channel over Ethernet and iSCSI. Virtual networking can reduce up to 75 percent adapters, cables and upstream switch ports to help control costs.<sup>2</sup> And, you also get significantly simpler management with reduced cabling and fewer components to manage.

## SYSTEMS MANAGEMENT

The Flex System x240 Compute Node is now supported by Lenovo XClarity™, a new centralized systems management solution that helps administrators deliver infrastructure faster 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.



## SPECIFICATIONS

<b>PROCESSOR</b>	2/2, Intel® Xeon® processors E5-2600 v2 series
<b>LEVEL 2 (L2) CACHE</b>	256 KB per core
<b>LEVEL 3 (L3) CACHE</b>	4 cores - 6 cores –15 MB, 6 cores - 10 cores – 25 MB, 12 cores – 30 MB
<b>CHIPSET</b>	Intel C600
<b>FORM FACTOR</b>	Flex System standard node
<b>MEMORY</b>	24 DDR3/DDR3L LP, 768 GB maximum with 32 GB LRDIMM
<b>INTERNAL STORAGE</b>	2 x hot-swap 2.5-inch (SAS/SATA/SSD)
<b>INTERNAL RAID</b>	LSI 2004, RAID-0/-1 Optional ServeRAID M5115/RAID-0, -1, -5, -6, -10, -50 with LSI SAS2208 Controller
<b>INTERNAL USB</b>	2 x Standard USB Flash Key + 1 x Front Access USB Key
<b>ETHERNET</b>	Virtual Fabric 2 x 10 GbE LOM
<b>CHASSIS SUPPORT</b>	Flex System Enterprise Chassis
<b>I/O EXPANSION</b>	2 x Mezzanine Cards (x16 + x8 PCI Express 3.0) 1 x PCIe Expansion Node Connector (x16 PCI Express 3.0)
<b>WARRANTY</b>	3-year customer replaceable unit and onsite limited warranty, next business day 9x5, service upgrades available
<b>MANAGEMENT</b>	IMM 2, RTMM KVM Dongle
<b>SYSTEMS MANAGEMENT</b>	Lenovo® XClarity™ delivers a centralized systems management solution that helps administrators deliver infrastructure faster and with less effort
<b>OPERATING SYSTEMS</b>	Microsoft Windows Server, SUSE, Red Hat Enterprise Linux, VMware
<b>RAS FEATURES</b>	Chassis redundant/hot-plug power and cooling Front panel and FRU/CRU LEDs

<sup>1</sup> Comparing Flex System x240 (Intel Xeon E5-2697 v2, 2.7 GHz) to previous generation Flex System x240 (Intel Xeon E5-2690).

<sup>2</sup> Virtual Fabric offers up to eight ports using a single 10 Gb network adapter and pair of Virtual Fabric switch modules. Traditional network setup require up to four 2-port network adapters and eight switches to offer similar functionality.

## OPTIONS

<b>800 GB SATA 2.5-inch MLC HS Enterprise Value SSD</b>  00AJ370  High-performance, dense flash to accelerate applications	<b>1.2 TB 10K 6Gbps SAS 2.5-inch G2HS HDD</b>  00AD075  Optimize density and performance with the latest 2.5-inch HDDs	<b>16 GB (1x16 GB, 2Rx4, 1.5V) PC3-14900 CL13 ECC DDR3 1866 MHz LP RDIMM</b>  00D5048  Add more memory to help improve the performance of all your workloads
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## 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

About Lenovo, the Lenovo Flex System x240 compute node, or to contact your Lenovo representative or Business Partner, visit [lenovo.com/servers](http://lenovo.com/servers)



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IBM x86 products are now products of Lenovo in the U.S. and other countries. Learn more at [ibm.com/lenovo-acquisition](http://ibm.com/lenovo-acquisition)