PureSystems

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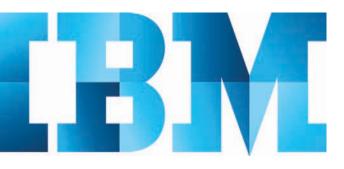# IBM Flex System x440 Compute Node

Highlights

- Optimized for high-end virtualization and mainstream databases

- No compromise design with available 1.5 TB memory capacity and up to 64 virtual network adapters

- Designed for simplified deployment and management

To meet today's complex and ever-changing business demands, the IBM® Flex System™ x440 compute node, an element of the IBM PureFlex™ System, is optimized for high-end virtualization, mainstream database deployments, and memory-intensive high performance environments. The Flex System x440 compute node is a price-performance optimized 4-socket compute node with flexible I/O options to help you match system capabilities to workloads without compromise. With a dense design, the Flex System x440 compute node can help reduce floor space used, and lower data center power and cooling costs. The Flex System x440 is available on either your PureFlex System or IBM Flex System solution.

Ideal platform for high-end virtualization and mainstream database

The Flex System x440 compute node is performance-tuned and features no compromise compute, memory and I/O capacity to meet your needs. It is designed to deliver an outstanding 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. Combined with memory capacity up to 1.5 TB, the Flex System x440 compute node is designed to help you get the most out of your systems.

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Virtual fabric networking enables breakthrough flexibility

With integrated 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.[1] You also get significantly simpler management with reduced cabling and fewer components to manage.

Flexible storage improves the agility of your business

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 0/1/5/6/10/50 fully backed by cache and a high-density application acceleration solution with IBM 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.

IBM Flex System x440 Compute Node at a glance

Processor	4/4, Intel Xeon E5-4600 Series Processor
Level 2 (L2) cache	256 KB per core
Level 3 (L3) cache	4C – 10 MB, 6C – 15 MB, 8C – 20 MB
Chipset	Intel C600
Form factor	Flex System double-wide node
Memory	48 DDR3/DDR3L LP, 1.5 TB (32 GB LRDIMMs)
Internal Storage	2 x HS 2.5" (SAS/SATA/SSD)
Internal RAID	LSI 2004, RAID 0/1 Optional ServeRAID M5115/RAID 0,1,5,6,10,50

IBM Flex System x440 Compute Node at a glance

Internal USB	2 x Standard USB Flash Key + 1 x Front Access USB Key
Ethernet	Two IBM Virtual Fabric (2x10GbE) LOMs, total of 4 x 10GbE ports, LOM-less models available
Chassis Support	Flex System Enterprise Chassis
I/O Expansion	4 x Mezzanine Cards (x16 + x8 PCI Express 3.0)
Power management	AEM, Active Energy Management
Warranty	3 year
Management	iMM V2, RTMM KVM Dongle
Operating systems	MS Windows Server SUSE RedHat Enterprise Linux VMware
RAS features	Chassis redundant/hot plug Power & Cooling Front Panel & FRU/CRU LEDs

For more information

To learn more about the IBM Flex System x440 compute nodes, visit: **ibm.com**/systems/pureflex/ or please contact your IBM representative or IBM Business Partner.

Additionally, IBM Global Financing can help you acquire the IT solutions that your business needs in the most cost-effective and strategic way possible. We'll partner with credit-qualified clients to customize an IT financing solution to suit your business goals, enable effective cash management, and improve your total cost of ownership. IBM Global Financing is your smartest choice to fund critical IT investments and propel your business forward. For more information, visit: **ibm.com**/financing

[1] 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

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