



Highlights

- Optimized for infrastructure and entry virtualization workloads
 - Simple virtualization solution with embedded dual hypervisors
 - Designed for simplified deployment and management
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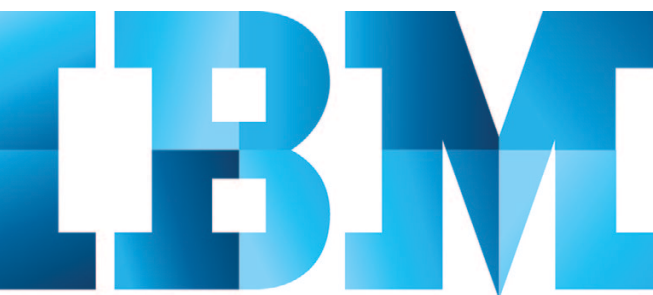
IBM Flex System x220 Compute Node

To meet today's complex and ever-changing business demands the IBM® Flex System™ x220 compute node, an element of the IBM PureFlex™ System, has a versatile, cost-optimized design for infrastructure and entry virtualization workloads.¹ The Flex System x220 is available on either your PureFlex System or IBM Flex System solution.

With Flex System x220, it is simpler than ever to get started. The Flex System x220 compute node features a no-compromise design for processor, memory, and networking resources to allow your business to do more. Features such as automated power management with onboard sensors to give you more control over power and thermal levels across the system. These capabilities, combined with memory capacity up to 192 GB are designed to help you get the most out of your systems.

Virtual fabric enables breakthrough flexibility

Upgrading to 10 Gigabit Ethernet (GbE) Virtual Fabric allows you to take advantage of up to 32 ports of virtual networking capabilities and leverage 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 networking can require up to 75 percent fewer adapters, cables and upstream switch ports to help control costs.² 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 applications such as distributed database without sacrificing system density.



IBM Flex System x220 Compute Node at a glance	
Processor	2/2, Intel Xeon E5-2400 Series Processor
Level 2 (L2) cache	256 KB per core
Level 3 (L3) cache	2C – 5 MB, 4C – 10 MB, 6C – 15 MB, 8C – 20 MB
Chipset	Intel C600
Form factor	Flex System standard node
Memory	12 DDR3/DDR3L LP, 192GB Max with 16 GB RDIMMs
Internal storage	2 x HS 2.5" (SAS/SATA/SSD)
Internal RAID	<ul style="list-style-type: none">• SW RAID, RAID 0/1• Optional HW RAID, ServeRAID H1135, RAID 0/1• Optional ServeRAID M5115/RAID 0,1,5,6,10,50 with LSI SAS2208 Controller
Internal USB	2 x Standard USB Flash Key + 1 x Front Access USB Key
Ethernet	Broadcom Dual 1 GbE
Chassis support	Flex System Enterprise Chassis
I/O Expansion	2 x Mezzanine Cards (x8+x4) + x4 PCI Express 3.0 1 x PCIe Expansion Node Connector (x16 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 Red Hat 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 x220 compute node, visit: ibm.com/systems/pureflex/ or please contact your IBM representative or IBM Business Partner,

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¹ Available in some models of IBM PureFlex System and also in client-tailored IBM Flex System solutions

² Virtual Fabric offers up to eight ports using a single 10Gb 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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