

Lenovo Flex System x220 Compute Node server (7906D2G)

Intel Xeon E5-2420 (15M Cache, 1.90 GHz, 7.20 GT/s Intel QPI), C604, 4GB DDR3 1333MHz, 2x 2.5" hot-swap SFF SATA/SAS HDD/SSD, SR C105i, 2-port Broadcom BCM5718



Price details:

Price excl. VAT: 1,685.66 €

Eco fees: 0.08 €

VAT 21 %: 354.01 €

Product details:

Product code: 7906D2G

EAN:

Manufacturer: Lenovo

2,039.75 €

* VAT included

PDF generated on: 13 December, 2017



The IBM Flex System x220 Compute Node is the next generation cost-optimized compute node designed for less demanding workloads and low-density virtualization. The x220 is efficient and equipped with flexible configuration options and advanced management to run a broad range of workloads.

Versatile.

- A feature-rich design enables the IBM Flex System x220 Compute Node to run a broad range of workloads, including infrastructure, virtualization, and enterprise applications;
- A great choice of processors, memory, internal storage, and I/O options allows flexible configurations;
- The x220 Compute Node is supported in the IBM Flex System Enterprise Chassis.

Easy to use

- Two hot-swapped storage bays support SATA/SSD drives, enabling drives to be removed easily for replacement or upgrade;
- An optional embedded hypervisor helps enable instant virtualization;
- Light path diagnostics and Predictive Failure Analysis help enable quick serviceability and maintenance;
- The Flex System Management appliance provides real-time management of the system day one through a preconfigured and preinstalled interface once setup is complete.

Optimized performance

- Next-generation Intel Xeon E5-2400 family processors, up to 95W;
- Memory capacity with 12 DDR3 DIMM slots supporting up to 384 GB;
- Support for running 2DPC at 1600 MHz;
- High-speed I/O that supports up to a total of eight physical 10 Gb ports or up to 32 ports of virtual fabric.

Power and cooling

- Low-power processor, solid-state drives, and low-power memory DIMMs;
- Energy-efficient 1.35V DIMM support xSmartEnergy Control to help monitor and cap power consumption;
- Advance management supports limiting power consumption, and real-time power and thermal management;
- Innovative and robust design to help keep the compute node performing under demanding conditions.

Main specifications:

Processor

Processor frequency:	1.9 GHz
Processor family:	Intel Xeon E5
Processor model:	E5-2420
Processor cores:	6

Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	15 MB
System bus rate:	7.2 GT/s
Processor manufacturer:	Intel
Maximum number of SMP processors:	2
Processor socket:	LGA 1356 (Socket B2)
Processor boost frequency:	2.4 GHz
Processor lithography:	32 nm
Processor threads:	12
Processor operating modes:	64-bit
Stepping:	C2
FSB Parity:	N
Bus type:	QPI
Number of QPI links:	1
Processor codename:	Sandy Bridge EN
Maximum internal memory supported by processor:	32 GB
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	800,1066,1333 MHz
Memory bandwidth supported by processor (max):	32 GB/s
Memory channels supported by processor:	Triple
ECC supported by processor:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Maximum number of PCI Express lanes:	24
Processor package size:	45 mm
Supported instruction sets:	AVX
Processor code:	SR0LN
Scalability:	S2S
Embedded options available:	N
Thermal Design Power (TDP):	95 W
Processor series:	Intel Xeon E5-2400
Conflict Free processor:	N

Memory

Internal memory:	4 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	192 GB
Memory slots:	12 x DIMM
Memory clock speed:	1333 MHz
Memory layout (slots x size):	1 x 4 GB

Storage

Hard drive interface:	Serial ATA
RAID support:	Y
Maximum storage capacity:	2 TB
Number of hard drives supported:	2
Hot-swap:	Y

Graphics

Maximum graphics adapter memory:	16 MB
----------------------------------	-------

Networking

Ethernet LAN:	Y
Networking features:	Gigabit Ethernet
Wake-on-LAN ready:	Y
Cabling technology:	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity:	1
Ethernet LAN (RJ-45) ports:	2
Serial ports quantity:	1

Expansion slots

PCI Express slots version:	3.0
----------------------------	-----

Design

Chassis type:	Rack (2U)
Optical drive type:	N

Performance

Operating system installed: N
Compatible operating systems: Windows Server 2008/2008 R2Novell SUSE Linux Enterprise Server
10/11Red Hat Enterprise Linux 5/6VMware ESX 4.1VMware 2008
4.1VMware vSphere 5

Processor special features

CPU configuration (max): 2
Intel Rapid Storage Technology: N
Enhanced Intel SpeedStep Technology: Y
Intel® Wireless Display (Intel® WiDi): N
Intel Virtualization Technology for Directed I/O (VT-d): Y
Intel® Anti-Theft Technology (Intel® AT): N
Intel® Hyper Threading Technology (Intel® HTTechnology): Y
Intel® My WiFi Technology (Intel® MWT): N
Intel® Turbo Boost Technology: Y
Intel® vPro™ Technology: Y
Intel® Quick Sync Video Technology: N
Intel® InTru™ 3D Technology: N
Intel® Clear Video HD Technology (Intel® CVT HD): N
Intel® Insider™: N
Intel Flex Memory Access: Y
Intel® Smart Cache: Y
Intel® AES New Instructions (Intel® AES-NI): Y
Intel Trusted Execution Technology: Y
Intel Enhanced Halt State: Y
Intel VT-x with Extended Page Tables (EPT): Y
Intel Demand Based Switching: Y
Intel Clear Video Technology: N
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID): Y
Intel 64: Y
Intel Identity Protection Technology version: 0.00
Intel Virtualization Technology (VT-x): Y
Intel Dual Display Capable Technology: N
Intel FDI Technology: N
Intel Fast Memory Access: N
Processor ARK ID: 64617

Operational conditions

Operating temperature (T-T): 5 - 40 °C
Storage temperature (T-T): 1 - 60 °C
Operating relative humidity (H-H): 8 - 85 %
Storage relative humidity (H-H): 5 - 80 %
Operating altitude: 0 - 3048 m
Non-operating altitude: 0 - 3050 m
Operating temperature (T-T): 41 - 104 °F

Certificates

Energy Star certified: N
Certification: GOST, IEC, CE, CISPR, TUV-GS

Weight & dimensions

Width: 217 mm
Depth: 492 mm
Height: 55 mm

Other features

Graphics adapter: G200eR2
Graphics adapter family: Matrox

*PLEASE NOTE: Every effort has been made to ensure the accuracy of all information contained herein. Lasystems makes no warranty expressed or implied with respect to accuracy of the information, including price, editorials or specifications. Lasystems or its suppliers shall not be liable for incidental, consequential or special damages arising from, or as a result of, any electronic transmission or the accuracy of the information contained herein, even if Lasystems has been advised of the possibility of such damages. Product and manufacturer names are used only for the purpose of identification.