

# 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: 0.07 €

VAT 21 %: 354.00 €

## Product details:

Product code: 7906D2G

EAN:

Manufacturer: Lenovo

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**2,039.73 €**

\* VAT included

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
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#### 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
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#### 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® HT Technology):	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

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