

## Lenovo System x3100 M5 server (5457A5G)

Pentium 2C G3440 53W 3.3GHz/1600MHz/3MB, 1x4GB, O/Bay SS 3.5in SATA, SR C100, DVD-ROM, 300W p/s, Tower



### Price details:

Price excl. VAT: 635.14 €

Eco fees: 0.08 €

VAT 21 %: 133.40 €

### Product details:

Product code: 5457A5G

EAN: 5051045202121

Manufacturer: Lenovo

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**768.62 €**

\* VAT included

- Delivers new performance capabilities, powered by the latest Intel processors and energy-saving low-voltage memory
- Safeguards and boosts your growing business with hard drive hot-swap capabilities, 1 40°C operating temperature enhancement kit, 2 four PCIe slots, storage choices, and flexible options
- Offers built-in data protection with up to four RAID levels and reliability you expect from System x®
- New performance capabilities, powered by the latest Intel processors (choice of Intel Xeon E3-1200 v3, Core i3, Pentium, or Celeron)
- Energy-saving low-voltage memory
- Upgradable operating temperature (up to 40°C) with optional temperature enhancement kit for optimized energy efficiency
- Built-in data protection with up to four RAID levels and reliability you expect from System x®: Standard ServeRAID-0, -1, -10, plus RAID-5 available via Feature on Demand
- Flexible storage options for up to 24 TB of capacity: 4 x 3.5-inch or 8 x 2.5-inch hard disk drives (HDDs), plus hot-swap options for minimized downtime
- USB 3.0 for up to 10x faster data transfer
- Graphics processor: NVIDIA K600 GPU available for graphics support
- Compact mini 4U design or flexible 5U for redundant, energy-smart 80 PLUS® Silver power supply

The new single-socket System x3100 M5 server provides business-class reliability and performance in a compact tower, optimized for small to medium-sized businesses and distributed environments. Equipped with the latest Intel® Xeon® E3-1200 v3 processors, USB 3.0 for fast data transfer, 1.35 V low-voltage memory for power savings, 3.5-inch hot-swap SAS hard disk drives (HDDs) for minimized downtime, and four levels of RAID for enhanced data protection, the x3100 M5 brings new levels of performance to your workloads while maximizing energy savings. This efficient tower meets your business needs today and offers upgrade potential when your requirements grow.

Reliability and performance in a flexible, compact tower server

Whether your workloads include basic infrastructure, web server, or file and print, the x3100 M5 delivers. Choose your storage preference from models with four 3.5-inch simple-swap HDD bays, or get the hot-swap versatility of eight 2.5-inch bays or four 3.5-inch hot-swap bays. Standard features include capacity for up to 32 GB of memory, two Gigabit Ethernet ports, and two front-mounted fast USB 3.0 ports, plus multiple internal and external USB 2.0 connections. Business-class reliability features—such as standard RAID, basic light path diagnostics, and optional redundant power supplies and fans—protect your data and facilitate outstanding uptime for your business at great value. Select configurations of the x3100 M5 are part of the Express Portfolio, designed to meet the needs of small and midsized businesses. Easy to manage, Express models vary by country.

### Product features

- Generous business-class memory offers greater performance per price point
- Support for up to four 3.5-inch simple swap or hot-swap hard disk drives or up to eight hot-swap 2.5-inch SAS/SATA hard disk drives (HDDs) or solid state drives (SSDs) that optimize implementation flexibility (model dependent)

Main specifications:

## Processor

Processor frequency:	3.3 GHz
Processor family:	Intel Pentium G
Processor model:	G3440
Processor cores:	2
Number of processors installed:	1
Processor cache type:	Smart Cache
Processor cache:	3 MB
System bus rate:	5 GT/s
Processor manufacturer:	Intel
Compatible processor series:	Pentium G
Processor socket:	LGA 1150 (Socket H3)
Motherboard chipset:	Intel C222
Processor lithography:	22 nm
Processor threads:	2
Processor operating modes:	32-bit,64-bit
Stepping:	C0
FSB Parity:	N
Bus type:	DMI
Processor codename:	Haswell
Tcase:	72 °C
Maximum internal memory supported by processor:	32 GB
Memory types supported by processor:	DDR3-SDRAM
Memory clock speeds supported by processor:	1333,1600 MHz
Memory bandwidth supported by processor (max):	25.6 GB/s
Memory channels supported by processor:	Dual
ECC supported by processor:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Maximum number of PCI Express lanes:	16
PCI Express configurations:	1x16,2x8,1x8+2x4
Processor package size:	37.5 mm
Supported instruction sets:	SSE4.1,SSE4.2
Processor code:	SR1P9
Scalability:	1S
Embedded options available:	N
Thermal solution specification:	PCG 2013C
Graphics & IMC lithography:	22 nm
Thermal Design Power (TDP):	54, 53 W
Processor series:	Intel Pentium G3000 series for Desktop
Conflict Free processor:	Y

## Memory

Internal memory:	4 GB
Internal memory type:	DDR3-SDRAM
Maximum internal memory:	32 GB
Memory slots:	4
Memory clock speed:	1600 MHz
ECC:	Y
Memory layout (slots x size):	1 x 4 GB

## Storage

Hard drive size:	3.5 "
Hard drive interface:	Serial ATA III
RAID support:	Y

## Graphics

Maximum graphics adapter memory:	16 MB
On-board graphics adapter:	Y
On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter model:	Intel HD Graphics
On-board graphics adapter base frequency:	350 MHz
On-board graphics adapter dynamic frequency (max):	1000 MHz
Maximum on-board graphics adapter memory:	1.024 GB
On-board graphics adapter DirectX version:	11.1
Number of displays supported (on-board graphics):	3

## Networking

Ethernet LAN:	Y
Cabling technology:	10/100/1000Base-T(X)
Ethernet interface type:	Gigabit Ethernet
<b>Ports &amp; interfaces</b>	
USB 2.0 ports quantity:	4
VGA (D-Sub) ports quantity:	1
Ethernet LAN (RJ-45) ports:	2
Serial ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
<b>Expansion slots</b>	
PCI Express slots version:	3.0
<b>Design</b>	
Chassis type:	Tower
Optical drive type:	DVD-ROM
Redundant fans support:	Y
<b>Performance</b>	
Operating system installed:	N
Compatible operating systems:	Microsoft Windows Server 2008 R2, 2012, 2012 R2; RHEL 5; SLES 11 & 12; VMware ESX 5.1, 5.5
Trusted Platform Module (TPM):	Y
Trusted Platform Module (TPM) version:	1.2
<b>Processor special features</b>	
Intelligent Platform Management Interface (IPMI) support:	Y
CPU configuration (max):	1
Intel Rapid Storage Technology:	N
Enhanced Intel SpeedStep Technology:	Y
Intel® Wireless Display (Intel® WiDi):	Y
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Hyper Threading Technology (Intel® HT Technology):	N
Intel® My WiFi Technology (Intel® MWT):	N
Intel® Turbo Boost Technology:	N
Intel® vPro® Technology:	N
Intel® Quick Sync Video Technology:	Y
Intel® InTru® 3D Technology:	N
Intel® Clear Video HD Technology (Intel® CVT HD):	N
Intel® Insider®:	N
Intel Flex Memory Access:	N
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	N
Intel Trusted Execution Technology:	N
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	N
Intel TSX-NI:	N
Intel Stable Image Platform Program (SIPP):	N
Intel Clear Video Technology:	N
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	N
Intel 64:	Y
Intel Stable Image Platform Program (SIPP) version:	0.00
Intel Virtualization Technology (VT-x):	Y
Intel TSX-NI version:	0.00
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	80794
<b>Power</b>	
Redundant power supply (RPS) support:	Y
Power supply:	300 W
Number of main power supplies:	1
<b>Operational conditions</b>	
Operating temperature (T-T):	10 - 35 °C
Storage temperature (T-T):	10 - 43 °C
Operating relative humidity (H-H):	8 - 80 %

Storage relative humidity (H-H):	8 - 80 %
Operating altitude:	0 - 2134 m

#### Other features

Graphics adapter:	G200eR2
Graphics adapter family:	Matrox