

ASUS RS704DA-E6/PS4 server barebone (RS704DA-E6/PS4)

RS704DA-E6/PS4, w/IPMI ASMB4-iKVM, 1U, 4 x G34 (LGA1944), AMD SR5670/AMD SP5100, 16 x DIMM 1333/1066/800MHz, 2 x PCI-E x16, 6 x SATA2 300MB/s, RAID 0/1, 4 x 3.5" HDD H/s, Gigabit Ethernet, AST2050 8MB, 6 x USB 2.0, 1400W, 18kg, Silver



Price details:

Price excl. VAT: 2,369.56 €

Eco fees: 0.00 €

VAT 21 %: 497.61 €

Product details:

Product code: RS704DA-E6/PS4

EAN: 4719543353325

Manufacturer: ASUS

2,867.17 €

* VAT included

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Duo Nodes 1U Server with High Speed Interconnection for AMD G34 Solution

The ASUS RS704DA-E6/PS4, with support of the latest AMD Opteron 6100 series processor, is a dual 2-way system capable of providing extreme performance for customers with 4-way, up to 48-core computing capabilities in a 1U environment. With a design that supports 4 hot swap 3.5" hot-swap HDD bays, users can enjoy exceptional space-savings while utilizing the normal form factor. In addition, the RS704DA-E6/PS4 has an Infiniband QDR onboard, delivering high speed interconnection for HPC applications.

Duo Nodes in 1U with High Computing Density

The RS704DA-E6/PS4 is designed with dual DP system in a 1U chassis, 16 DIMM slots and up to 256GB memory capacity per node to deliver high density computing. In this way, there will be up to 84 nodes or up to 2016 computing cores in a 42U cabinet, providing extreme computing density.

Extreme System Power Efficiency

The RS704DA-E6/PS4 is equipped with 1400W 80 plus (Gold) power supply module to improve power efficiency, reduce power loss and save power bill. Furthermore, the intelligent fan control and independent air flow in each node optimizes the system thermal solution.

High Speed Interconnection for HPC

Through a QFSP port at the rear panel, the RS704DA-E6/PS4 is able to deliver high speed interconnection (40Gbps) for HPC applications from a built-in Infiniband QDR chipset.

Real-time and Out-of-band Server Management

The optional ASMB4-iKVM module offers real-time web-based management and remote system control (KVM-over-IP) to the system from any local computer anywhere, anytime.

Designed for Virtualization

Virtualization provides central management, reduces power consumption, cost for cooling and management effort for users. The RS704DA-E6/PS4 is able to provide excellent virtualization applications with VMWare. The onboard vertical USB connector is designed for integrated hypervisor for easy deployment, allowing the full use of system resources and reducing TCO and IT expenses.

Main specifications:

Processor

Motherboard chipset:	AMD SR5670
Processor socket:	Socket G34
Number of processors supported:	4

Processor family:	AMD
Compatible processor series:	Opteron
System bus rate:	6.4 GT/s
Memory	
Number of DIMM slots:	16
Maximum RDIMM memory:	256 GB
Maximum UDIMM memory:	64 GB
Supported RDIMM clock speeds:	800,1066,1333 MHz
Supported UDIMM clock speeds:	800,1066,1333 MHz
Supported DIMM module capacities:	1GB,2GB,4GB,8GB
Storage	
Number of hard drives supported:	4
Hot-swap hard drive bays:	Y
Controller interface type:	AMD SP5100
RAID levels:	0,1
Supported hard disk drive sizes:	3.5 "
Supported storage drive interfaces:	Serial ATA II
Networking	
LAN controller:	Intel 82574L
Networking features:	Gigabit Ethernet
Copper ethernet cabling technology:	1000BASE-T,1000BASE-TX,100BASE-TX,10BASE-T
Ethernet LAN data rates:	10,100,1000 Mbit/s
Ports & interfaces	
USB 2.0 ports quantity:	6
Ethernet LAN (RJ-45) ports:	6
Serial ports quantity:	2
VGA (D-Sub) ports quantity:	2
IPMI LAN (RJ-45) port:	Y
Expansion slots	
PCI Express x16 slots:	2
PCI Express slots version:	2.0
Graphics	
Maximum graphics adapter memory:	8 MB
Design	
Form factor:	1U
Colour of product:	Silver
Performance	
Intelligent Platform Management Interface (IPMI) support:	
Compatible operating systems:	Windows Server 2008 R2Windows Server 2008 Enterprise 32/64-bitWindows Server 2003 R2 Enterprise 32/64-bitRedHat Enterprise Linux AS5.0 32/64-bitSuSE Linux Enterprise Server 10 32/64-bit
Power	
Power supply:	1400 W
Operational conditions	
Operating temperature (T-T):	10 - 35 °C
Storage temperature (T-T):	-40 - 70 °C
Storage relative humidity (H-H):	20 - 90 %
Safety:	CE, EN55022, EEC
Electromagnetic emissions:	FCC, CE, EN
Weight & dimensions	
Width:	712 mm
Depth:	444 mm
Height:	43.6 mm
Weight:	18000 g
Other features	
Graphics adapter:	AST2050
Graphics adapter family:	ASPEED

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