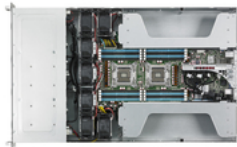


ASUS ESC4000/FDR G2 (90S86A0000U500UET)

Max 512GB RDIMM/128GB UDIMM, RJ-45, USB 2.0, 2U, 19 kg



Price details:

Price excl. VAT: 2,039.96 €

Eco fees: 0.00 €

VAT 21 %: 428.39 €

Product details:

Product code: 90S86A0000U500UET

EAN: 4716659386919

Manufacturer: ASUS

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2,468.35 €

* VAT included

High density 2U hybrid HPC computing power

8+1 Flexible Expansion Slots

The ESC4000/FDR G2 supports up to eight PCI-E Gen3 x16 slots for high expandability, compatible with versatile expansion cards, especially in supporting up-to-date Intel® Xeon Phi 7120P, 5110P and 3100 series as well as NVIDIA Tesla K10/K20 Family and GRIDTM K2 of GPU accelerators. In addition, there is an optional riser for a low profile/half-length card and PIKE solution.

Intelligent System Fan Control II Function

To improve heat-dispersion and a stable computing environment, independent smart fans provide cooling for each area of the GPU and CPU, and a dual-fan design for GPU cards provides an extra thermal back-up solution.

1+1 Redundant PSU (1620W 80+ Platinum)

The ESC4000/FDR G2 is equipped with a 1+1 1620W 80+ Platinum level redundant power supply with power efficiency up to 94% for energy savings, while the hot swappable design reduces power loss, improves power efficiency and saves more TCO for users.

Onboard InfiniBand FDR for Hyper Interconnection

With an Infiniband FDR solution onboard, users can achieve low latency and high bandwidth connectivity for enterprise data centers, along with cloud computing, high performance computing and embedded environments,, all with a data transmission rate up to 56Gbps.

Comprehensive RAID Solutions

The ESC4000/FDR G2 supports the optional ASUS RAID PIKE upgrade kit. With only a PIKE riser card and a PIKE card, upgrade the server from a SATA to SAS based storage system by re-connecting the cable from the onboard SATA to a PIKE riser SAS port. Users now have flexible choices for multiple storage options!

Complete Server Remote Management Solution

By installing an optional Web GUI ASMB6-iKVM module, users can have full control of the server with an out-of-band server-based management (IPMI 2.0 standard) and 24x7 real-time remote monitor. Meanwhile, ASWM Enterprise software provides one-to-multiple centralized management including BIOS flash, remote control, power control and asset management through a user-friendly interface. Users can utilize an effective tool with a user-friendly interface to control the servers remotely.

Cutting-edge Architecture

The ESC4000/FDR G2 supports dual CPUs from the Intel® Xeon® E5-2600 processor family and with 16 DIMM sockets onboard; up to 512GB of four-channel DDR3 1600/1333 memory is supported. Combined, they provide for a high computing capability that can tackle the most difficult of tasks. Additionally, there are more PCI-E lanes with PCI-E Gen 3 support, which is suitable for systems that require high I/O connectivity and bandwidth and supports more PCI-E devices.

Main specifications:

Processor

Built-in processor:	N
Motherboard chipset:	Intel C602
Processor socket:	LGA 2011 (Socket R)
Number of processors supported:	2
Intel Xeon series:	E5-2600
Memory	
Number of DIMM slots:	16
Supported memory types:	DDR3-SDRAM
Maximum internal memory:	512 GB
Maximum RDIMM memory:	512 GB
Maximum UDIMM memory:	128 GB
Supported RDIMM clock speeds:	800,1066,1333,1600 MHz
Supported UDIMM clock speeds:	1066,1333 MHz
Supported DIMM module capacities:	1GB,2GB,4GB,8GB,16GB,32GB
Storage	
Number of hard drives supported:	8
Hot-swap hard drive bays:	Y
Controller interface type:	SATA
RAID levels:	0,1,5,10
Supported hard disk drive sizes:	3.5 "
Supported storage drive interfaces:	Serial ATA II,Serial ATA III
Networking	
LAN controller:	Intel 82574L
Networking features:	Gigabit Ethernet
Ethernet LAN data rates:	10,100,1000 Mbit/s
Ethernet LAN:	Y
Ports & interfaces	
USB 2.0 ports quantity:	5
Ethernet LAN (RJ-45) ports:	3
Serial ports quantity:	1
VGA (D-Sub) ports quantity:	1
Expansion slots	
PCI Express x16 slots:	9
PCI Express slots version:	3.0
Graphics	
Maximum graphics adapter memory:	16 MB
Design	
Form factor:	2U
Performance	
Compatible operating systems:	CentOS 5.7/6.2 32/64-bit, Windows Server 2008 R2Windows Server 2008 R2 Enterprise, Windows Server 2008 Enterprise 32/64-bit, RedHat Enterprise Linux AS5.7/6.2 32/64-bit, SuSE Linux Enterprise Server 11.2 32/64-bit, VMWare ESX4.1/ESXi4.1
Power	
Power supply:	1620 W
Redundant power supply (RPS) support:	Y
AC input voltage:	100-240 V
AC input frequency:	50/60 Hz
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
Weight & dimensions	
Width:	444 mm
Depth:	750 mm
Height:	87 mm
Weight:	19000 g

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