



Asus TS500-E5 Configuration Manual

1
2
Table Of Contents
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

18
19
20
21
22
23
24

--	--

•

•

Bookmarks

--

Quick Links

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TS500-E5

ASUS
Configuration Guide

[Table of Contents](#)

[Next Page](#)

1
2
3
4
5

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[Server Asus Pedestal/5U Rackmount Server TS500-E5 User Manual](#)

Asus ts500-e5 pedestal/5u rackmount server user guide (164 pages)

[Server Asus RS160-E5 - 0 MB RAM Approved Vendor List](#)

Rs160-e5 memory approved vendor list (1 page)

Summary of Contents for Asus TS500-E5

[Page 1](#) TS500-E5 Configuration Guide...

[Page 2](#) ASUSTeK COMPUTER INC. ("ASUS"). ASUS provides this manual "as is" without warranty of any kind, either express or implied, including but not limited to the implied warranties or conditions of merchantability or fitness for a particular purpose. In no...

[Page 3: Table Of Contents](#)

Upgrading system memory2-3 Upgrading hard disk drives2-4 Upgrading hard disk drive cage2-5 Installing ASUS PIKE 1064E module 2-6 Installing ASUS PIKE 1078 module2-7 Installing ASUS Server Management Board2-8 Upgrading graphics card 2-9 Upgrading power supply unit

[Page 4: Safety Information](#)

Safety information Electrical Safety • Before installing or removing signal cables, ensure that the power cables for the system unit and all attached devices are unplugged. • To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system. •...

[Page 5](#) Chapter 1 This chapter describes the key features of TS500-E5. It includes the product overview and general specifications.

[Page 6: Chapter 1: Product Introduction](#)

TS500-E5 is designed to work with a wide range of configurations. With ASUS innovative PIKE technology, TS500-E5 is able to support SAS RAID 0, 1, 1E, 10, 5, 50, 6, 60. The customers can choose the appropriate level of RAID protection with easy and cost-effective SAS upgrade kit.

[Page 7: System Overview](#)

Items 1. Central processing unit (CPU) 6. Graphics card (optional) 2. CPU heatsink and fan 7. ASUS Server management board (optional) 3. System memory 8. Single power supply 4. Hard disk drives 9. Rackmount rail kit (optional) 5. PIKE 1064E/1078 module (optional)

[Page 8: Ts500-E5/Rx8](#)

Items 1. Central processing unit (CPU) 5. PIKE 1064E/1078 module (optional) 2. CPU heatsink and fan 6. ASUS Server management board (optional) 3. System memory 7. Redundant power supply module (optional) 4. Hard disk drives 8. Rackmount rail kit (optional)

[Page 9: Front Panel Features](#)

Front panel features Message LED LAN1 LED LAN2 LED HDD access LED Power LED Optical drive Empty 5.25-inch bays Security lock Floppy disk drive Power button Reset button 4-bay HDD cage 4-bay HDD cage (optional) USB 2.0 ports ASUS TS500-E5...

[Page 10: Rear Panel Features](#)

Rear panel features 1.4.1 TS500-E5/PA4 670W Single power supply Chassis lock Power connector Chassis intrusion switch PS/2 mouse port PS/2 keyboard port USB 2.0 ports 120mm x

38mm Serial port system fan VGA port Gigabit LAN port 1 Gigabit LAN port 2...

[Page 11: Ts500-E5/Rx8](#)

PS/2 mouse port PS/2 keyboard port USB 2.0 ports 120mm x 38mm Serial port system fan VGA port Gigabit LAN port 1 Gigabit LAN port 2 Expansion slots * The second redundant power supply is an optional item. ASUS TS500-E5...

[Page 12: System Specifications](#)

1.5 System specifications Model Name TS500-E5/PA4 TS500-E5/RX8 Quad-Core Intel® Xeon® 5400 Series Processor support Dual-Core Intel Xeon 5200 Series® 1333 / 1066 MHz Core Logic Intel® 5100 MCH + Intel® ICH9R 6-DIMM support up to 24GB DDR2 667 / 533 Registered,...

[Page 13](#) Chapter 2 This chapter lists the key components and optional accessories for the server system.

[Page 14: Chapter 2: Components](#)

Upgrading CPU and CPU heatsink The ASUS TS500-E5 supports 1-2 Dual-core / Quad-core Intel Xeon 5400 / ® 5200 series processor. • If you install only one CPU, install the CPU to the CPU2 socket only. The system will not boot and the CPU warning LED will light up if a single CPU is installed on the CPU1 socket.

[Page 15: Upgrading System Memory](#)

4 GB 4 GB 4 GB 4 GB 4 GB 4 GB Order P/N Description 90-S000I0200T 1GB DDR2 667 ECC REG / ASUS 90-S000I0210T 2GB DDR2 667 ECC REG / ASUS 90-S000I0220T 4GB DDR2 667 ECC REG / ASUS ASUS TS500-E5...

[Page 16: Upgrading Hard Disk Drives](#)

We recommend that you install identical drives of the same model and capacity for RAID configuration. Order P/N Description SAS HDD 90-S000H0040 300GB, 3.5" SAS HDD / ASUS 90-S000H0030 146GB, 3.5" SAS HDD / ASUS 90-S000H0020 73GB, 3.5" SAS HDD / ASUS SATAII HDD 90-S000H5500T 1TB, 3.5"...

[Page 17: Upgrading Hard Disk Drive Cage](#)

Upgrading hard disk drive cage With the optional hard disk drive cage, the system could be upgraded up to eight hot-swap SATAII/SAS hard disk drives. Order P/N Description 90-S4R0H000T Cage Kit, SAS/SATA HDD Cage Kit (including Cage/Backplane/Cables) ASUS TS500-E5...

[Page 18: Installing Asus Pike 1064E Module](#)

Installing ASUS PIKE 1064E module The ASUS PIKE 1064E module allows users to create RAID 0, 1 and 1E from SAS hard disk drives connected to the SAS connectors on the motherboard. A. Insert the PIKE module into the PIKE card slot.

[Page 19: Installing Asus Pike 1078 Module](#)

Installing ASUS PIKE 1078 module The ASUS PIKE 1078 module allows users to create RAID 0, 1, 5, 6, 10, 50 and 60 from SAS hard disk drives connected to the SAS connectors on the motherboard. A. Insert the PIKE module into the PIKE card slot.

[Page 20: Installing Asus Server Management Board](#)

30 - 45 ASMB3-SOL PLUS ASUS Server Management Board is an Intelligent Platform Management Interface (IPMI) 2.0-compliant board that allows users to monitor, control and manage a remote server from the local or central server in local area network (LAN).

[Page 21: Upgrading Graphics Card](#)

Upgrading graphics card Contact local distributors for workstation SKU. ASUS TS500-E5...

[Page 22: Upgrading Power Supply Unit](#)

Upgrading power supply unit Order P/N Description 90-S4QPW0010T 650W Redundant Power

Supply Module Remove the dummy power supply module before installing the second redundant power supply. 2-10 Chapter 2: Components...

[Page 23: 2.10 Rackmount Rail Kit](#)

2.10 Rackmount rail kit Order P/N Description 90-S00SP0020T Rail Kit (Ball Bearing) for TS500-E5 Series ASUS TS500-E5 2-11...

[Page 24: 2.11 Os Support List](#)

2.11 OS support list OS support list Windows Server 2003 R2 Enterprise 32-bit ® Windows Server 2003 R2 Enterprise 64-bit ® RedHat Enterprise Linux AS5 UP1 32-bit ® RedHat Enterprise Linux AS5 UP1 64-bit ® SuSE Linux Enterprise Server 10 SP1 32-bit ®...