



Built with Super Speed, Ready for Hyper Scale

TS700-E8-RS8 V2 is designed for dual use server and workstation supporting extreme graphics power, optimized audio performance, BIOS flashback and Q-code logger, an easy-maintenance button. It features the latest Intel® Xeon® processor E5-2600 v3 product families, 16 DIMMs, six expansion slots, three 5.25" media bays and 1+1 Redundant 800W 80PLUS Gold Power Supply. TS700-E8-RS8 V2 is perfect for growing business applications and individual workstation users.

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High Flexibility

TS700-E8-RS8 V2 has 6 expansion slots, 8 HDD bays and optional ASUS PIKE II upgrade kit performing high flexibility. There are six Gen3 x 16 slots meeting diverse add-on card applications including networking and graphics support. There are eight 3.5" hot-swap SATA/SAS HDD bays for flexible storage requirement. Additionally, ASUS PIKE II 3x08 series is the latest 12Gb/s SAS and PCI-E 3.0 high reliability enterprise storage solution. It meets users' needs with support for 6Gb/s SATA and 12Gb/s SAS storage and integrated RAID data protection. Besides working as a pedestal server, the TS700-E8-RS8 V2 is also rack-mountable with the optional rack-mount kit, saving space and consolidating with the many systems required by growing businesses.

ASUS PIKE II & 12G SAS Integration

ASUS PIKE II offers the latest 12Gb/s SAS together with PCI-E 3.0 solution. While ASUS latest 12Gb/s SAS doubles the data rate running at twice the speed of the previous generation, PCI-E 3.0 offers high reliability and faster speed connection. ASUS PIKE II meets user needs with support for 6Gb/s SATA and 12Gb/s SAS storage and integrated RAID data protection. Just placing the PIKE II card can immediately enlarge the capacity, improve the performance, and strengthen the signaling, making it the great upgrade option. Additionally, multiple HBAs allow multi-paths which improve over performance.

Server & Workstation Dual Use

There are 6 expansion slots include 4 PCI-E Gen3 x16 slots supporting up to x16 link perfectly for graphic applications. Together with 7.1 channel HD Mater Audio™ output offering better enhanced signal-to-noise ratio in a 7.1 surround channel, TS700-E8-RS8 V2 is perfectly for both server and workstation dual use. Also, Q-code logger lets you log events right to a USB flash drive. The log includes all ASUS Q-Codes in a handy text file. BIOS flashback lets you automatically flash BIOS using ATX standby power by just plug in any USB storage and push the dedicated button for 3 seconds. Worry-free for the ultimate convenience!

Premium components for premium efficiency

TS700-E8-RS8 V2 benefits from premium components hand-chosen and carefully arranged by ASUS engineers to provide premium efficiency. With ASUS Beat Thermal Chokes, Dr. MOS and 1+1 Redundant 800W 80 PLUS Gold power supplies, it delivers great durability and up to 92% power efficiency. TS700-E8-RS8 V2 has durable 12k solid capacitors that are able to withstand up to 12,000 hours of high ambient temperatures. These 12K capacitors also boast lower equivalent series resistance (ESR) for increased efficiency and minimal heat generation.

Complete Remote Server Management

With the Intelligent Platform Management Interface (IPMI) 2.0-compliant ASMB8-iKVM module in TS700-E8-RS8 V2, you'll be able to monitor, control and manage the server remotely. ASUS Server Web-based Management (ASWM) Enterprise has a simple and intuitive web-based graphical user interface. Save time and effort by flashing the BIOS remotely, use the new screen-recording function for quick and easy trouble-shooting and exploit the many efficiency benefits of one-to-many centralized management afforded by ASWM Enterprise.

Specifications

Processor / System Bus

2 x Socket R3 (LGA 2011-3)
Intel® Xeon® processor E5-2600 v3 product family(145W)*
QPI 6.4 / 8.0 / 9.6 GT/s
*Refer to www.asus.com for CPU Support list

Generation

E8

Core Logic

Intel® C612 PCH

Memory

Total Slots : 16 (4-channel per CPU, 8 DIMM per CPU)
Capacity : Maximum up to 1024GB LRDIMM
Memory Type :
DDR4 2133 /1866/1600/1333 RDIMM
DDR4 2133 /1866/1600/1333 LRDIMM
Memory Size :
32GB, 16GB, 8GB, 4GB RDIMM
64GB, 32GB LRDIMM
* Please refer to ASUS server AVL for the latest update

Expansion Slots

Total slot:6
4 x PCI-E x16 (Gen3 x16 link), FH, FL
1 x PCI-E x16 (Gen3 x8 link), FH, FL
1 x PCI-E x16 (Gen3 x8 link), FH, HL

Storage

SATA Controller :
Intel® C612
10 x SATA3 6Gb/s ports
or
9 x SATA3 6Gb/s ports + 1 x M.2 connector
Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only)
(Support Software RAID 0, 1, 5, 10)
SAS Controller :
ASUS PIKE II 3008 8-port SAS HBA card(Optional)
ASUS PIKE II 3108 8-port SAS HW RAID card(Optional)
12G SAS Support

HDD Bays

8 x 3.5" Hot-swap Storage Bays

Auxiliary Storage FDD/CD/DVD

3 x 5.25" media bays
(Options: No Device / DVD-RW)

Networking

2 x Intel® I210AT + 1 x Mgmt LAN

Graphic

Aspeed AST2400 with 32MB VRAM

Front I/O Ports

1 x Headphone jack
1 x Microphone jack
2 x USB 2.0 ports
2 x USB 3.0 ports

On Board I/O

2 x RJ-45 ports
1 x RJ-45 Mgmt LAN port
4 x USB 3.0 ports
4 x USB 2.0 ports
1 x PS/2 KB/MS port
1 x Q-Code/Port 80 LED
1 x S/PDIF Out (Optical)
1 x BIOS flashback button w/ LED
1 x Set of Audio ports (6 Ports)
1 x VGA port

OS Support

Windows® Server 2012 R2
Windows® Server 2012
Windows® Server 2008 R2
RedHat® Enterprise Linux
SuSE® Linux Enterprise Server
CentOS
Ubuntu
VMware
Citrix XenServer

*(Subject to change without any notice)

Management Solution

ASWM Enterprise
On-Board ASMB8-iKVM for KVM-over-Internet

Regulatory Compliance

BSMI, CE, C-Tick, FCC(Class B)

Dimensions

455mm x 217.5mm x 545mm
17.91" x 8.54" x 21.45"

Form Factor

5U/Tower

Weight

Net Weight: 17.68 Kg
Gross Weight: 23.15 Kg

Power Supply

1+1 Redundant 800W 80PLUS Gold Power Supply

Rating: 100-127Vac/200-240Vac,9.9A/4.79A ,47-63Hz, Class I

Environment

Operation temperature: 10°C ~ 35°C

Non operation temperature: -40°C ~ 70°C

Non operation humidity: 20% ~ 90% (Non condensing)

Part List

Chassis

T50 5U Pedestal Chassis (13SV0007AM0201)

MB

Z10PE-D16 WS (60SB04L0-SB0A18)

HDD Backplane

1 x BP4LX12G-35-T50D (60SC0760-SC0A01)

1 x BP4LX12G-35-T50D (60SC0750-SC0A01)

1 x BP2LX-R12PD (60SC0440-SC0A01)

Front Panel Board

1 x FPB-TRS8A (60SC00N0-SC0D01)

CPU Heatsink/ Cooler

2 x INTEL LGA2011 4U 150W COOLER (13071-00091000)

Power Supply Unit

2 x POWER 1U RED. 800W 80+ GOLD (0A100-00080300)

HDD Tray

8 x R21A 3-5 HDD MODULE ASSY (13GS1I0AM050-1)

HDD Cage

1 x T50A HDD BOX ASSY (13SV0008AM0111)

Fan

2 x ESC2000 FRONT FAN (13G074186020)

1 x ESC2000 REAR FAN (13G074186010)

Optical Drive

1 x DVD-RW (17600-00050100)

Mounting Rails

1 x T55 CHASSIS RAIL TO RACK (13GS0K00M040)

Cable

1 x AUDIO CABLE 2*5P TO 2*5P HSG (14G143086002)

1 x PMBUS CABLE 5P TO 5P L:500MM (14G000611200)

1 x WIRE CABLE USB 10P TO 10P (14G143083000)

1 x USB3.0 CABLE CM8 (14001-008900DP)

2 x POWER CABLE 8P TO 6+2P,L=550MM (14004-01230000)

1 x SATADOM PWR 4P TO 4P L=100MM (14017-00040100)

1 x HDB 15P/F TO DB 9P/M,L:260+150 (14011-00500000)

1 x SATA TO HD+6PIN L=500MM (14011-00860000)