

## Specifications

### Processor / System Bus<sup>2</sup> x Socket R3 (LGA 2011-3)

Intel® Xeon™ processor E5-2600 v4 product family (145W) \*

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<sup>8</sup>

### Core LogicIntel® C612 PCH

### MemoryTotal Slots : 16 (4-channel per CPU, 8 DIMM per CPU)

Capacity : Maximum up to 1024GB LRDIMM

#### Memory Type :

DDR4 2400 /2133 /1866\*/1600/1333 RDIMM

DDR4 2400 /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<sup>3</sup> + 1

#### Low-profile

1 x PCI-E Gen3 x16 (x8 link)

2 x PCI-E Gen3 x8 (x8 link)

1 x PCI-E x8 (Gen3 x8 link), OCP Mezzanine\*

\* Support for MCB-10G-2S (Dual Port 10 Gigabit/s Ethernet card) (optional)

### StorageSATA Controller :

Intel® C612

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<sup>8</sup> x Hot-swap 3.5" Storage Bays

### Auxiliary Storage FDD/CD/DVD<sup>1</sup> x Slim-type Optical Drive Bay

Options: No Device / DVD-RW

### Networking<sup>2</sup> x Intel® I210AT + 1 x Mgmt LAN

### GraphicASpeed AST2400 with 32MB VRAM

### Front I/O Ports<sup>2</sup> x USB 2.0 ports

1 x VGA port

### On Board I/O<sup>2</sup> x RJ-45 ports

1 x RJ-45 Mgmt LAN port

2 x USB 3.0 ports

1 x VGA port

1 x PS/2 KB/MS port

1 x External Serial Port(Optional)

1 x Q-Code/Port 80 LED

### OS SupportWindows® Server 2016

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 SolutionASWM Enterprise

On-Board ASMB8-KVM for KVM-over-IP

### Regulatory Compliance<sup>8</sup>SMI, CE, C-Tick, FCC(Class A)

### Dimensions<sup>6</sup>615mm x 444mm x 88mm

24.21" x 17.48" x 3.46"

### Form Factor<sup>2U</sup>

### WeightNet Weight: 14.80 Kg

Gross Weight: 21.53 Kg

### Power Supply<sup>1</sup>+ 1 Redundant 770W 80PLUS Platinum Power Supply

Rating: 100-127Vac/200-240Vac, 10A/5A, 50-60Hz, Class I

### EnvironmentOperation temperature: 10°C ~ 35°C

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

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

## Part List

**Chassis**ASUS R20F 2U Rackmount Chassis

**MB**ASUS Z10PR-D16 Server board (EN-0208367)(60S803V0-S80A1D)

**HDD Backplane**1 x SAS/SATA Backplane (BPBLX12G-35-R20E)  
(60SC06D0-SC0A01)

**Front Panel Board**1 x Front I/O Board (FPB-R20D) (60SC03Z0-SC0B01)

**Power Distribution Board**1 x Redundant Power Supply Power

Distribution Board (PDB-R20A/E7) (60SC02B0-5C0B04)

CPU Heatsink/ Cooler<sup>2</sup> x CPU Heatsink (13071-00091600)

Power Supply Unit<sup>1</sup> x 770W Redundant Power Supply  
(0A100-00220300)

HDD Tray<sup>8</sup> x Hot-swap 3.5" HDD trays (13GS110AM061-1)

Fan<sup>4</sup> x System Fans (80mm x 38mm) (13G074154010)

Air Duct/Mylar<sup>1</sup> x Air Duct (135V0004P03011)

Optical Drive<sup>1</sup> x Slim DVD-RW (Optional)(17601-00012500)  
1 x R10E ODD BEZEL ASSY (Optional)(13GS1600P031-1)

Mounting Rails<sup>1</sup> x Tool-less rail kit (135V0006AM0811)

Cable<sup>1</sup> x PMBUS CABLE 5P TO 5P L:500MM (14G000611200)  
2 x POWER CABLE 8P TO 8P,420MM (14G000610120)  
1 x POWER CABLE 24P TO 24P,460MM (14G000603750)  
1 x MINI SATA 13P TO 7P+4P,390MM (14G000114512)  
4 x W:H CABLE 4P TO 4P, L:150MM (14G030011552)  
1 x FFB CABLE 2\*8/1\*10+1\*6+2\*10 750MM (14001-00800400)  
1 x VGA CABLE 2\*8 TO 2\*8 L=700MM (14002-00210000)  
1 x LAN LED CBL 2\*4P TO 1\*5P L=900MM (14001-00790000)  
1 x USB3.0 180 TO USB2.0 L=650MM (14002-00340000)  
1 x POWER CABLE 8P TO 8P & 4P,70MM (14001-00250300)

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
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