



## Optimized dual-use server and high-end workstation performance

The ATX-sized (EEB mounting hole locations) Z9PA-U8 supports the latest Intel® Xeon® processor E5-2600 and E5-1600 product family, featuring high computing capacity and faster data transmission. Additionally, the Z9PA-U8 fulfills different storage configurations via ASUS PIKE RAID cards, and through the ASUS ASMB6-iKVM server management interface offers better system management.

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### Commercial way to upgrade to Romley platform

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effective way to enter into Romley platform with one way CPU and Desktop (ATX) power supply.

## Design for Datacenter Cache Server application

The Z9PA-U8 delivers outstanding data transmission performance with two DIMM per channel and up to 256GB LRDIMM. Thus, it is suitable for datacenter on Cache Server application which speeds up the access to data and quick response the demand from network.

## Dual Use for Server and High End Workstation

The design and features of the Z9PA-U8 accommodate usage as a medium to large scale server or high-end workstation for even the most complex tasks. Additionally, it adopts the latest hardware standards, including USB 3.0 for faster data transfers and PCI Express 3.0 enhanced signaling and data integrity.

## MIO-892 Card Supported for 7.1 ch Audio Experience

The Z9PA-U8 supports the latest ASUS MIO-892 Card. With better enhanced signal-to-noise ratio in a 7.1 surround channel, the MIO card offers great sound quality to complement the robust video power—delivering exhilarating surround sound. Accompany with graphic card and MIO-892, Z9PA-U8 becomes powerful E5-2600 single socket workstation.

## Comprehensive Server Management Solution: ASMB6-iKVM and ASWM Enterprise

The ASMB6-iKVM upgrade kit enables dashboard system health monitoring, remote power on/off and control, virtual media over LAN, management LAN fail-over support, and user-friendly web-based graphical interface through all major browsers. Moreover, ASWM Enterprise provides one-to-multiple centralized management including BIOS flash, remote control, power control through a colorful, graphical, and informative interface.

### Processor / System Bus

1 x Socket 2011  
Intel® Xeon® processor E5-1600 product family  
Intel® Xeon® processor E5-1600 v2 product family  
Intel® Xeon® processor E5-2600 product family  
Intel® Xeon® processor E5-2600 v2 product family

### Core Logic

Intel® C602-A PCH

### Memory

**Total Slots** : 8 (4-channel per CPU, 8 DIMM per CPU)  
**Capacity** : Maximum up to 256GB LRDIMM  
**Memory Type** :

DDR3 1866/1600/1333/1066 RDIMM\*  
DDR3 1866/1600/1333/1066 UDIMM\*  
DDR3 1866/1600/1333/1066 LRDIMM\*

**Memory Size :**

32GB, 16GB, 8GB, 4GB, 2GB RDIMM  
8GB, 4GB, 2GB UDIMM  
32GB, 16GB, 8GB LRDIMM

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## Expansion Slots

Total Slot : 7  
Slot Location 1 : PCI-E x8 (Gen2 X4 Link)  
Slot Location 2 : PCI 32bit/33MHz  
Slot Location 3 : PCI-E x8 (Gen3 X8 Link)  
Slot Location 4 : PCI-E x16 (Gen3 X16 Link), Auto switch to x8 link if slot 3 is occupied  
Slot Location 5 : PCI-E x8 (Gen3 X8 Link)  
Slot Location 6 : PCI-E x16 (Gen3 X16 Link), Auto switch to x8 link if slot 5 is occupied  
Slot Location 7 : MIO Slot for Audio card  
Additional Slot 1 : PIKE Slot for Storage expansion  
Follow SSI Location#

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## Form Factor

ATX (12"x9.6") \*

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## ASUS Features

FAN speed control  
Rack Ready (Rack and Pedestal dual use)  
ASWM Enterprise

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## Storage

**SATA Controller :**

Intel® C602-A AHCI  
4 x SATA2 3Gb/s ports  
2 x SATA3 6Gb/s ports  
Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only)  
(Support Software RAID 0, 1, 5, 10 )  
LSI® MegaRAID (For Linux/Windows)  
(Support Software RAID 0, 1, 10 )

**SAS Controller :**

ASUS PIKE 2008 8-port SAS2 6G RAID card (Optional)  
ASUS PIKE 2008/IMR 8-port SAS2 6G RAID card(Optional)  
ASUS PIKE 2108-32PD 8-port SAS2 6G RAID card (Optional)  
ASUS PIKE 2208 8-port SAS 6G HW RAID card (Optional)  
ASUS PIKE 2308 8-port SAS 6G RAID card (Optional)  
ASUS PIKE 9230 4-port SATA 6G RAID card (Optional)

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## Networking

2 x Intel® 82574L + 1 x Mgmt LAN

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## Graphic

Aspeed AST2300 with 16MB VRAM

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## On Board I/O

1 x TPM header  
1 x PSU Power Connector (24-pin SSI power connector + 8-pin SSI 12V power connector)  
1 x Management Connector , Onboard socket for management card  
1 x USB connector  
2 x USB pin header , Up to 4 Devices  
6 x Fan Header , 4pin  
1 x SMBus  
1 x Chassis Intruder  
2 x Front LAN LED  
1 x Serial Port Header

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## Back I/O Ports

1 x External Serial Port  
4 x External USB Port  
(2 x USB 3.0, 2 x USB 2.0)  
1 x VGA Port  
2 x RJ-45 + 1 x Mgmt LAN  
1 x PS/2 KB/Mouse

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## Regulatory Compliance

CE, FCC(Class B)

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## Management Solution

ASWM Enterprise  
Optional ASMB6-iKVM for KVM-over-Internet

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## Environment

Operation temperature: 10°C ~ 35°C  
Non operation temperature: -40°C ~ 70°C  
Non operation humidity: 20% ~ 90% ( Non condensing)

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## Accessories

### Gift Box Pack:

6 x SATA Data Cables  
1 x I/O Shield  
1 x ASUS Mainboard Support CD  
1 x ASWM Support CD  
1 x User's Guide

1 x USB to SATA DOM Power cable

**Bulk Pack:**

1 x I/O Shield

1 x ASUS Mainboard Support CD

1 x ASWM Support CD

1 x User's Guide

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## Product SKUs

Standard Gift Box Pack

Standard Bulk Pack

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## Note

\* Z9PA-U8 is standard ATX size with EEB mounting hole locations

\* DDR3 1866 can only be supported with Intel® Xeon® processor E5-2600 v2 product family, refer to [www.asus.com](http://www.asus.com) for latest memory AVL update

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