



Most Powerful Dual LGA2011 Serverboard in 12"x10" Compact Size

ASUS proudly to announce new server board Z9PA-D8C based on Intel® E5-2600 + C602 PCH platform. The board integrates versatile features into a compact 12"x10" size which allows this board to fit into ATX chassis. Through innovative and top-notch engineering design, this board is able to support dual Intel® Xeon® E5-2600 processors up to 135W CPU. With adequately developed thermal solution in 1U rack mount, the system may support up to 115W CPU.

[Add to comparison list](#)

Most Compact Dual LGA2011 Serverboard

ATX case compatible

The Z9PA-D8C server board support dual Intel® Xeon® server processors in a 12"x10" compact size with ATX foot print.

User may easily acquire eco-system most mature and easy available ATX chassis other than proprietary special-made chassis further ensures end customers can benefit from up-to-date server technologies with affordable budget

Wide-range Intel Xeon® processor E5-2600 support

The Z9PA-D8C supports dual Intel® Xeon E5-2600 series CPUs with all-range including the support of advanced 135W CPU. System builders can choose between advanced, mainstream, and basic processors for all market segments. By supporting different processor and memory types, the Z9PA-D8C helps customer to build up a wide range of servers and workstation builds to meet different price segment customer demand.

The Powerful PCI-E Expandability in 12"x10" Form Factor and MIO-892 audio card support

The Z9PA-D8C is the only 12"x10" form factor board available in the market to dual PCI Express 3.0 x16 expansion slots. With the ASUS innovative Flex-E technology, the Z9PA-D8C server boards intelligently split or aggregate the link to support up to 4 true PCI Express 3.0 x8 slots or 2 x16 slots. With the exclusive unique feature, the Z9PA-D8C may serve as a powerful server board, or combines the 7.2 channel MIO-892 audio card becomes workstation.

USB 3.0 supported

The Z9PA-D8C is the first Dual Intel® E5-2600 server board with USB 3.0 support. The new USB 3.0 IO technology provides 10 times bandwidth compare to industrial mature USB 2.0.

Digital Power Solution

All-new digital CPU power controls work perfectly together to match digital power signal (SVID) requests from the CPU, with ultra-fast sensing and response efficiently delivering precision power. Accurate delivery reduces waste, and provides more stable CPU Vcore voltages. The Z9PA-D8C voltage regulation manages up to 90% peak power efficiency, with 85%+ during most normal operation. This ensures high power efficiency for the entire system to help customers save more electrical bills.

Comprehensive Server Management Solution: ASWM Enterprise

ASWM Enterprise software provides one-to-multiple centralized management including BIOS flash, remote control, power control through a colorful, graphical, and informative interface.

Processor / System Bus

2 x Socket 2011

Intel® Xeon® processor E5-2600 product family (135W) *

Intel® Xeon® processor E5-2600 v2 product family (135W) *

QPI 6.4 / 7.2 / 8.0 GT/s

Core Logic

Intel® C602-APCH

Memory

Total Slots : 8 (4-channel per CPU, 4 DIMM per CPU)

Capacity : Maximum up to 256GB RDIMM

Memory Type :

DDR3 1866/1600/1333/1066 RDIMM*¹

DDR3 1866/1600/1333/1066 UDIMM*¹

DDR3 1866/1600/1333/1066 LRDIMM*¹

Memory Size :

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

8GB, 4GB, 2GB UDIMM

32GB, 16GB, 8GB LRDIMM

Expansion Slots

Total Slot : 5

Slot Location 2 : PCI-E x8 (Gen2 X4 Link)

Slot Location 3 : PCI-E x16 (Gen3 X16 Link), Auto switch to x8 link if slot 4 is occupied

Slot Location 4 : PCI-E x8 (Gen3 X8 Link)

Slot Location 5 : PCI-E x16 (Gen3 X16 Link), Auto switch to x8 link if slot 6 is occupied

Slot Location 6 : PCI-E x8 (Gen3 X8 Link), MIO supported

Follow SSI Location#

Form Factor

ATX (12"x10")

ASUS Features

FAN speed control

Rack Ready (Rack and Pedestal dual use)

ASWM Enterprise

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)

Networking

2 x Intel® 82574L

Graphic

On Board I/O

1 x TPM header
1 x PSU Power Connector (24-pin ATX power connector + 8-pin ATX 12V power connector)*²
1 x PSU Power Connector (24-pin SSI power connector + 8-pin SSI 12V + 8-pin SSI 12V power connector)*³
1 x USB connector*⁴
2 x USB pin header , Up to 4 Devices
8 x Fan Header , 4pin
1 x SMBus
1 x Chassis Intruder
2 x Front LAN LED
1 x Serial Port Header

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 PS/2 KB/Mouse

Management Solution

ASWM Enterprise

Regulatory Compliance

CE, C-Tick, FCC(Class B)

Environment

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

Accessories

Gift Box Pack (1pcs per Carton):

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 (10pcs per Carton):

1 x I/O Shield
1 x ASUS Mainboard Support CD

1 x ASWM Support CD

1 x User's Guide

Product SKUs

Standard Gift Box Pack

Standard Bulk Pack

Monitoring

CPU Temperature

Fan RPM

Note

* Refer to ASUS Server AVL for latest update

*1: DDR3 1866 can only be supported with Intel® Xeon® processor E5-2600 v2 product family, refer to www.asus.com for latest memory AVL update

*2: 95W or below CPU only,
Minimum requirement of ATX Power supply:
1) 500W 2) All +12V output \geq 20A

*3: Support Both ATX & SSI Power Supply

*4: Type A USB socket
