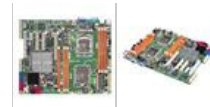


Z8NA-D6 First dual Socket 1366 in 12" x 9.6" ATX form factor

Being the first ATX form factor server & workstation motherboard supporting dual Intel® Xeon® 5500 series processor in the market, Z8NA-D6 is ideal for dual use with different types of DDR3 memory support, versatile I/O options and reliable data protections.



First Dual 1366 Socket in 12" x 9.6" ATX Form Factor

Dual 1366 Socket in ATX

Z8NA-D6 is designed in ATX form factor, namely 12" x 9.6", which is the first slim size Dual Processor server & workstation motherboard in the market and can be fitted in your desktop PC chassis for cost-effective use.

Support ATX (Desktop) and SSI (Server) Power Supply

Z8NA-D6 is built with 24+8pin power connector to support both SSI & ATX power supply, the former is suitable for best performance & expandability use, and the latter for cost effective usage, whose price is much lower than that of SSI power supply.

Dual Use for Server & Entry Workstation

Z8NA-D6 support PCI-E Gen2 x16 (x16 link) not only for I/O but graphic card as well. With optional MIO audio card, Z8NA-D6 becomes a just enough Workstation for cost-sensitive SMB & SOHO.

Reliable Data Protection

Z8NA-D6 is built with 6-port SATAII to support RAID 0, 1, 10, 5 (from Intel Matrix Storage and for Windows only), and RAID 0, 1, 10 from LSI® MegaRAID, for Linux/Windows. Moreover, Z8NA-D6 supports optional SAS RAID cards, which are PIKE 1064E/1068E (RAID 0, 1, 1E), PIKE 1078 (H/W RAID 5, 6, 50, 60), and PIKE 6480 (RAID 0, 1, 10, 5).

| | Z8NA-D6 | Z8NA-D6C |
|---------------|---------|----------|
| PIKE | V | X |
| ASMB4-iKVM | V | X |
| LSI Mega RAID | V | X |

Specifications

| | |
|------------------------|---|
| Processor / System Bus | 2 x Socket LGA1366 Six-Core/Quad-Core Intel® Xeon® X5600/X5500 Series (95W) Six-Core/Quad-Core/Dual Core Intel® Xeon® E5600/E5500 Series (80W) Six-Core/Quad-Core/Dual Core Intel® Xeon® L5600/L5500 Series (60W/40W/38W) Processor QPI 4.8 / 5.86 / 6.4 GT/s |
|------------------------|---|

| | |
|---------------------|--|
| Core Logic | Intel® 5500 IOH Intel® ICH10R I/O Controller |
| Memory | Total Slots : 6 (3-channel per CPU, 3 DIMM per CPU) Capacity : Maximum up to 96GB RDIMM/Maximum up to 24GB UDIMM Memory Type : DDR3, 1333/1066/800, RDIMM* DDR3, 1333/1066/800, UDIMM* Memory Size : 1GB, 2GB, 4GB, 8GB, 16GB RDIMM 1GB, 2GB, 4GB UDIMM |
| Expansion Slots | Total Slot : 5 Slot Location 1 : PCI 32bit/33MHz Slot Location 2 : MIO Slot for Audio card PCI-E x1 is not supported Slot Location 3 : PCI-E x8 (Gen2 X4 Link) Slot Location 4 : PCI-E x8 (Gen2 X4 Link) Slot Location 6 : PCI-E x16 (Gen2 X16 Link) Additional Slot 1 : PIKE Slot for Storage expansion |
| Form Factor | 12 " x 9.6 " Inch |
| ASUS Features | Rack Ready (Rack and Pedestal dual use) ASWM2.0 FAN speed control |
| Storage | SATA Controller : Intel® ICH10R 6 x SATA2 300MB/s Intel® Matrix Storage (For Windows Only) (Support Software RAID 0, 1, 5, 10) LSI® MegaRAID (For Linux/Windows) (Support Software RAID 0, 1, 10) |
| Networking | 2 x Intel® 82574L |
| Graphic | Aspeed AST2050 with 8MB VRAM |
| On Board I/O | 1 x PSU Power Connector , 24-pin ATX power connector + 8-pin ATX 12V power connector *1 1 x Management Connector , Onboard socket for optional management card 1 x Internal A Type USB Port 1 x USB pin header , Up to 2 Devices 8 x Fan Header , 4pin 2 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 2 x External USB Port 1 x VGA Port 2 x RJ-45 1 x PS/2 KB/Mouse |
| Management Solution | Software: ASWM2.0 Optional ASMB4-iKVM for KVM-over-Internet |
| EMI | US (FCC, CFR47 Part 15, Class B) Europe (CE, EN55022 & EN55024) Australia (C-TICK) |
| 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 : 1 x User's Guide 1 x Support CD 1 x Thermal sensor cable 1 x I/O Shield 6 x SATA 3G Cable(s) Bulk Pack : 1 x User's Guide 1 x Support CD 1 x I/O Shield |
| Product SKUs | Standard Gift Box Pack Standard Gift Box Pack with ASMB4-iKVM Standard Gift Box Pack with MIO Standard Bulk Pack Standard Bulk Pack with ASMB4-iKVM |
| Monitoring | CPU Temperature Fan RPM |

Note

* Refer to ASUS Server AVL for latest update

*1:

Support Both ATX & SSI Power Supply

Minimum requiremen of ATX Power supply:

1)450W 2)All +12V output \geq 18A
