



Optimized Computing and Management Power in Mini-ITX

ASUS P9D-I is the mini-ITX form factor serverboard. Despite its diminutive appearance, the P9D-I retains the advantages of other P9D series motherboards including supporting the latest Intel® Xeon® E3-1200 v3 Processor Family with digital power solution and ASMB7 onboard. With the spacing saving advantage, P9D-I is exclusive to meet the diverse applications in small form factor servers, data center, front-end web server (web hosting) and etc.

[Add to comparison list](#)

Mini-ITX Compact Form Factor Increases Density

As a slim size serverboard, the 6.7" x 6.7" Mini ITX form factor of P9D-I fits for various small form factor appliance servers. In addition, P9D-I can be easily integrated in short depth chassis, thus P9D-I no doubt increases the density in a rack cabinet to provide higher computing power per rack than before.

Dual Intel® I210AT Gigabit Ethernet

The ASUS P9D-I ships with dual server-class Intel® Ethernet ports with the I210AT controllers, which doubles queues

compared to previous-generation Intel® 82574L controllers. This is better for virtualization applications. In addition, the dual LAN teaming ports provide high networking bandwidth with load balance and fault tolerance functions. This design greatly reduces data processing bottlenecks during network traffic.

High power efficiency with digital power control

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 voltage. P9D-I power efficiency reaches an impressive 92%.

Comprehensive server management: ASMB7-iKVM and ASWM Enterprise

The ASMB7-iKVM onboard enables dashboard system health monitoring, remote power on/off and control, virtual media over LAN, and management LAN fail-over support. In addition, the ASMB7 function is based on BIOS-level access, so even if the server operating system is down or offline, the KVM module can still provide round-the-clock remote monitoring and diagnosis through a user-friendly web-based graphical interface via all major browsers. ASWM Enterprise software provides one-to-multiple centralized management, including BIOS flash, remote control, and power control, all through a colorful and informative graphical interface.

Processor / System Bus

1 x Socket LGA1150
Intel® Xeon® processor E3-1200 v3 product family
4th Gen Intel® Core™ i3 processors
Intel® Pentium™ processors
Intel® Celeron™ processors

*Refer to www.asus.com for CPU Support list

Core Logic

Intel® C222 Chipset

Memory

Total Slots : 2 (1 Channels)
Capacity : Maximum up to 16GB UDIMM
Memory Type :
DDR3 1600/1333 UDIMM with ECC
Memory Size :
8GB, 4GB, 2GB UDIMM

Expansion Slots

Total Slot : 1

Slot Location 7 : PCI-E x16 (Gen3 X16 Link)

Follow SSI Location#

Form Factor

Mini ITX (6.7" x 6.7")

ASUS Features

FAN speed control

ASWM Enterprise

Storage

SATA Controller :

Intel® C222

2 x SATA3 6Gb/s ports

2 x SATA2 3Gb/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)

Networking

2 x Intel® I210AT

Graphic

Aspeed AST2300 with 32MB VRAM

On Board I/O

1 x PSU Power Connector (24-pin ATX power connector + 4-pin ATX 12V power connector)

1 x USB 2.0 pin header , Up to 2 Devices

2 x Fan Header , 4pin

1 x Chassis Intruder

2 x Front LAN LED

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 DVI

2 x RJ-45

1 x PS/2 KB/Mouse

Regulatory Compliance

CE, FCC(Class B)

Management Solution

Software: ASWM Enterprise

Out of Band Remote Management: ASMB7-iKVM for KVM-over-Internet

Environment

Operation temperature: 10°C ~ 35°C

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

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

Accessories

Standard Gift Box Pack

2 x User Guide

3 x Support CD

1 x I/O shield

2 x SATA 6G cables + 2 x SATA 3G cables

1 x Plate for LGA1150

Standard Bulk Pack

2 x User Guide

3 x Support CD

1 x I/O shield

1 x Plate for LGA1150

Product SKUs

Standard Gift Box Pack

Standard Bulk Pack

Monitoring

CPU Temperature

Fan RPM
