Space-saving with optimized features

The ASUS P9D-MV is a micro ATX form factor serverboard featuring the latest Intel® Xeon® E3-1200 v3 processor family, dual Intel® server-class I210 LAN ports, SATA 6Gb/s, and digital power delivery. Together these features make it a great fit for various server applications, including small form factor servers, data centers, and SMB printer/file/mail/exchange servers. For entry-level servers with BMC, the P9D-MV is an excellent choice.

Add to comparison list

Micro ATX compact form factor increases density

The 9.6" x 9.6" micro ATX form factor of the P9D-MV fits various small form factor applications. In addition, it can be easily integrated in short-depth chassis to greatly increase rack compute density and provide higher computing power per rack.

Excellent I/O Design

The ASUS P9D-MV has a total of four PCI Express slots and support up to two USB 3.0 ports. It is built to connect easily with next generation components and peripherals, as USB 3.0 transfers data 10X faster than USB 2.0 while maintaining full

backward compatibility.

Dual Intel® I210AT Gigabit Ethernet

The ASUS P9D-MV 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.

Friendly Design for front I/O, front VGA

An accessible rear power button is reserved onboard for use as front panel ports when reversing the serverboard. An extra 15-pin VGA header features front-panel monitor connectivity, helping customers with greater flexibility. These designs provide flexible I/O integration for users to fit in various computing environments.

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-MV power efficiency reaches an impressive 90%.

SATA DOM (Disk on Module) ready

A SATA DOM is a flash drive simulating a hard disc which can be used without additional software or drivers. It is particularly useful within embedded computing systems and thin clients. ASUS-exclusive design adds an onboard 4-pin power connector and a USB header to make SATA DOM installation simple and easy.

Comprehensive server management: ASMB7-iKVM and ASWM Enterprise

The ASMB7-iKVM upgrade kit 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 : 4 (2-channel)

Capacity : Maximum up to 32GB UDIMM

Memory Type :

DDR3 1600/1333 UDIMM with ECC

Memory Size :

8GB, 4GB, 2GB

Expansion Slots

Total Slot : 4

Slot Location 4 : PCI-E x8 (Gen2 X4 Link)

Slot Location 5 : PCI-E x8 (Gen3 X4 Link)

Slot Location 6 : PCI-E x16 (Gen3 X8 Link)

Slot Location 7 : PCI-E x8 (Gen3 X4 Link)

Follow SSI Location#

Form Factor

U ATX (9.6"x9.6")

ASUS Features

FAN speed control

Rack Ready (Rack and Pedestal dual use)

ASWM Enterprise

Storage

SATA Controller :

Intel® C222

2 x SATA3 6Gb/s ports

4 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 + 1 x Mgmt LAN

Graphic

Aspeed AST2300 with 32MB VRAM

On Board I/O

1 x TPM header

1 x PSU Power Connector (24-pin ATX power connector + 8-pin ATX 12V power connector)

1 x Management Connector , Onboard header for management card

1 x USB 2.0 pin header , Up to 2 Devices

1 x Internal A Type USB Port*[1]

5 x Fan Header , 4pin

1 x SMBus

1 x Chassis Intruder

2 x Front LAN LED

1 x Serial Port Header

1 x SATA DOM Power connector*[2]

1 x VGA 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 Mgmt LAN

1 x PS/2 KB/Mouse

Management Solution

Software: ASWM Enterprise

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

Regulatory Compliance

CE, FCC(Class B)

Environment

Operation temperature: 10℃ ~ 35℃

Non operation temperature: -40℃ ~ 70℃

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

Accessories

Standard Gift Box Pack

1 x User Guide

2 x Support CD

1 x I/O shield

2 x SATA 6G cables + 4 x SATA 3G cables

1 x Plate for LGA1150

Standard Bulk Pack
1 x User Guide
2 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

Note

*1 1 x USB 2.0 connector
*2 4-pin power connector