



## Combat Model with Advanced I/O Design

The ASUS P9D-V is the latest ASUS UP serverboard, designed around the Intel® Denlow platform as an attractive entry model that provides a highly cost and power-efficient option. The P9D-V uses the Intel® C224 chipset, featuring three legacy PCI slots, dual server-class Intel® Ethernet, and digital power delivery. It is ideal for SMB, web, printer, and file servers, or any other entry-level server application.

[Add to comparison list](#)

## Designed to support three legacy PCI Devices

Besides the latest PCI-E technology, P9D-V keeps up to 3 legacy PCI slots on board which can fulfill various customers' requirements. Customers can move their existing legacy PCI add-on cards to P9D-V, and still benefit from up-to-date Intel® Xeon® E3-1200 v3 Processor Family and DDR3 memory technology to their solutions.

## Dual Intel® I210AT Gigabit Ethernet

The ASUS P9D-V 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-V VR power efficiency reaches an impressive 90%.

## Most cost-saving for customers

The P9D-V is designed for readily-available chassis, with a standard ATX form factor, and compatibility with desktop power supplies. Customers can upgrade to the new Denlow platform with just the P9D-V while keeping many existing components, thus protecting their investment. Meanwhile, the product is power saving with low power-consuming Intel Xeon processor, and therefore requires lower thermal solution cost.

## Advanced I/O design

The ASUS P9D-V supports one PCI-E x16, Gen3 x16 link with professional VGA supported. Besides, P9D-V is built to support up to 4 USB 3.0 ports. Built to connect easily with next generation components and peripherals, USB 3.0 transfers data 10X faster and is also backward compatible with USB 2.0.

## Server management: ASWM Enterprise

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.

## 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 helpful within embedded computing systems or thin clients. ASUS-exclusive design adds an onboard 4-pin power connector and USB header to make SATA DOM installation simple and easy.

## 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.

## 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](http://www.asus.com) for CPU Support list

## Core Logic

Intel® C224 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 : 6

Slot Location 1 : PCI 32bit/33MHz

Slot Location 2 : PCI 32bit/33MHz

Slot Location 3 : PCI 32bit/33MHz

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

Slot Location 6 : PCI-E x16 (Gen3 X16 Link)

Slot Location 7 : MIO Slot for Audio card

Follow SSI Location#

## Form Factor

ATX (12"x9.6")

## ASUS Features

FAN speed control

Rack Ready (Rack and Pedestal dual use)

ASWM Enterprise

## Storage

**SATA Controller** :

Intel® C224

4 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 )

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## Networking

2 x Intel® I210AT

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## Graphic

Aspeed AST1300 with 64MB VRAM

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## 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 USB 3.0 pin header , Up to 2 Devices  
2 x USB 2.0 pin header , Up to 4 Devices  
1 x Internal A Type USB Port\*<sup>1</sup>  
5 x Fan Header , 4pin  
1 x Chassis Intruder  
2 x Front LAN LED  
1 x Serial Port Header  
1 x SATA DOM Power connector\*<sup>2</sup>  
1 x VGA 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 PS/2 KB/Mouse

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## Management Solution

Software: ASWM Enterprise

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## Regulatory Compliance

CE, C-Tick, FCC(Class B)

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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

Standard Gift Box Pack  
1 x User Guide  
2 x Support CD  
1 x I/O shield

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

1 x USB to SATA DOM Power cable

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

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## Product SKUs

Standard Gift Box Pack

Standard Bulk Pack

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## Monitoring

CPU Temperature

Fan RPM

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## Note

\*1 1 x USB 2.0 connector

\*2 4-pin power connector

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