

Green and space-saving server board with large storage capacity

P9A-I/C2750/SAS/4L is a Mini-ITX form factor server board with an integrated Intel® Atom C-Series FCBGA processor, which provides a cost and power-efficient platform. It features M.2 slot, SATA 6Gb/s, MiniSAS, BMC, Quad LAN networking, remote management, and high rack compute density, offering an ideal choice for Cloud Storage applications.

Integrated Intel® Atom C-Series FCBGA Processor

The integrated Intel® Atom C-Series FCBGA processor delivers the best performance with lower power consumption, which provides the optimal Cost/Performance ratio compared with other processors.

Mini-ITX Compact Form Factor Increases Density

As a slim size server board, the 6.7" x 6.7" Mini ITX form factor of P9A-I Series fits for various small form factor appliance servers. P9A-I Series can also be easily integrated in short depth chassis, increasing the density in a rack cabinet to provide higher computing power per rack than before.

Quad Port Gigabit Ethernet

Built with four port Marvell 88E1543 Quad PHY, the quad 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 Front I/O Design

An accessible rear power button is reserved onboard for use as front panel ports when reversing the server board. Extra I/O LEDs indicate the system information promptly, helping customers with greater flexibility. These designs provide flexible I/O integration for users to fit in various computing environments.

M.2 (Next Generation Form Factor) Ready

P9A-I Series is equipped with the M.2 slot for an independent OS boot drive. Together with the MiniSAS and SATA 6Gb/s ports, P9A-I Series supports up to 108TB storage capacity.

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. 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. [Procesador / Sistema Bus](#)

1 x Socket C2750
Intel® ATOM™ C-Series FCBGA Processor(Avoton)

• Memoria

Total Slots : 2 (2 Channels)
Capacity : Maximum up to 32GB UDIMM
Memory Type :
DDR3 1600/1333 UDIMM with ECC
Memory Size :
16GB, 8GB, 4GB, 2GB UDIMM

• Puertos de Expansión

Total Slot : 1
Slot Location 7 : PCI-E x8 (Gen2 X4 Link)

• Form Factor

Mini ITX (6.7" x 6.7")

• Capacidades ASUS

FAN speed control
ASWM Enterprise

• Almacenamiento

SATA Controller :
2 x SATA3 6Gb/s ports
or
1 x SATA3 6Gb/s ports + 1 x M.2 connector

SAS Controller :

4 x MiniSAS connector(Marvell 88SE9485 x 2)

- **Gráfica**

Aspeed AST2300 with 32MB VRAM

- **I/O Internos**

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

5 x Fan Header , 4pin

1 x Chassis Intruder

4 x Front LAN LED

1 x Serial Port Header

1 x SATA DOM Power connector

1 x M.2 connector

- **Puertos posteriores I/O**

2 x USB 2.0

1 x VGA Port

4 x GbE LAN + 1 x Mgmt LAN

- **Solución de Manejo**

ASWM Enterprise

ASMB7-iKVM for KVM-over-Internet

- **Regulatory Compliance**

CE, FCC(Class B)

- **Ambiente**

Operation temperature: 10°C ~ 35°C

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

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

- **Accesorios**

Standard Gift Box Pack (1pcs per Carton)

3 x Support CD

1 x I/O shield

2 x SATA 6G cables

1 x COM port cable

1 x CPU fan

*Install a CPU fan when the airflow through the heatsink is below 1.5 CFM.

Standard Bulk Pack (10pcs per Carton)

3 x Support CD

1 x I/O shield

1 x CPU fan

*Install a CPU fan when the airflow through the heatsink is below 1.5 CFM.

- [Product SKUs](#)

Standard Gift Box Pack with ASMB7-iKVM

Standard Bulk Pack with ASMB7-iKVM

- [Monitoring](#)

CPU Temperature

Fan RPM