

SERIES

Micro ATX form factor with versatile expansions



Micro ATX



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ASUS P11C-M/4L is an Intel® Mehlow platform Micro ATX rack server based on Intel® C242 chipset. With the CPU and memory configured in a front parallel design that enables efficient airflow for excellent thermal performance, P11C-M/4L is optimized for rack placement.

Target market

- Datacenter front-end/ firewall/ gateway/ storage application , and SMB print/ file/ mail/ exchange server etc.

Quad Intel® I210AT Gigabit Ethernet

- Teaming quadruples the network bandwidth
- Failover ensures uninterrupted network connections

Micro ATX compact with Highest Power Efficiency

P11C-M/4L provide dual server-class Intel® Ethernet , native 6 SATA 6G, 2 PCI Express 3.0 slots and dual M.2 with extreme power efficiency which is the best candidate for data center compute nodes. The 9.6" x 9.6" micro ATX form factor can be easily integrated in short-depth chassis to greatly increase rack compute density.

Dual M.2 unleash independent and redundant I/O for OS drive

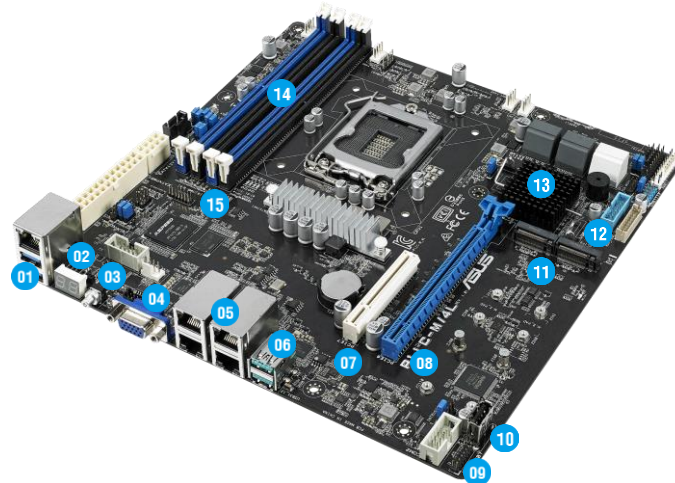
Capacity up to 2TB M.2 is supported for P11C-M/4L, either SATA and PCIe source can be auto by switch. The design with dual M.2 is capable of RAID 0, 1 and bring up better back-up solution for internal OS drive.

Comprehensive IT infrastructure management solution

Optional ASMB9-iKVM and ASUS Control Center (ACC*)

FEATURE

- Intel Mehlow platform ATX server board
- Single LGA1151 socket
- PCI-E x16 Gen3 supported for graphic card
- Dual M.2 support
- 2 x PCIe Expansion Slots
- Rack-optimized Design



1. 2 x USB 3.0, 1 x Management LAN
2. 1 x Q-Code/Port 80 LED
3. Rear power bottom
4. 1 x VGA port
5. Quad Intel® server LAN
6. 2 x USB 3.1
7. 1 x PCI-E x 8 (Gen3 x8 link)
8. 1 x PCI-E x 16 (Gen3 x16 link)
9. 1 x TPM header
10. 1 x vertical USB 2.0 port
11. 2 x M.2 (NGFF), 22110/2280/2260/2242
12. 1 x USB 3.0 header
13. Intel® C242 Chipset
14. 4 x DIMM slots
15. Optional ASMB9-iKVM

P11C-M/4L
9.6" x 9.6" (Micro ATX)



P11C-M/4L Rear View

SPECIFICATION

| | | | |
|-------------------------------|---|--|---|
| Processor Support. | | 1 x Socket P0 (LGA 1151) Intel [®] Xeon [®] processor E-21xxx product family (95W) Intel [®] Core [™] i3 processors Intel [®] Pentium [™] processors Intel [®] Celeron [™] processors | |
| Core Logic | | Intel [®] C242 PCH | |
| Memory | Total Slots | 4 (2-channel per CPU) | |
| | Capacity | Maximum up to 64GB | |
| | Memory Type | DDR4 2666/2400 ECC and non-ECC UDIMM *Refer to ASUS server AVL for the latest update | |
| | Memory Size | 16GB, 8GB, 4GB (UDIMM) *Refer to ASUS server AVL for the latest update | |
| Expansion Slots | Total PCI/PCI-X/PCI-E/PIKE Slots | 2 | |
| | Slot Type | 1 x PCI-E x16 (Gen3 x16 link) 1 x PCI-E x8 (Gen3 x4 link) | |
| | Audio | - | |
| Disk Controller | SATA Controller | Intel [®] C242 - 6 x SATA 6Gb/s ports (4 by 1 mini-SAS Connector) - 2 x M.2 connector (NGFF 22110/2280/2260/2242, PCI-E Gen3 x2 link or SATA signal, gray SATA port will disable when M.2 is SATA signal) Intel [®] RSTe (Support software RAID 0, 1, 10 & 5) | |
| | SAS Controller | Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support | |
| Networking | LAN | 1 x Quad Port Intel I210 Gigabit LAN Controller, 1 x Management Port | |
| Graphic | VGA | Aspeed AST2500 32MB | |
| Onboard I/O connectors | TPM header | 1 | |
| | PSU connector | 24-pin ATX power connector + 8-pin ATX 12V power connector | |
| | Management Header | Onboard header for optional management card | |
| | USB Connector/Header | | 1 * USB 3.0 pin header (up to 2 devices) 1 * USB 2.0 pin header (up to 2 devices) 1 * USB 2.0 connector (Type A USB socket) |
| | | Fan Header | 5* 4pin |
| | | SMBus | 1 |
| | Chassis Intruder | 1 | |
| | Serial Port Header | 1 | |
| | Device Power Connector | 4-pin power connector | |
| | VGA Header | 1 | |
| | Rear I/O Ports | | 2 x USB 3.0 ports, 2 x USB 3.1 ports, 1 x VGA port, 4 x RJ-45 GbE LAN ports, 1 x RJ-45 Mgmt LAN port |
| Switch/LED | | Rear Switch/LED: 1 x Q-Code/Port 80 LED, 1 x Power switch | |
| OS Support | | Windows [®] Server 2016, Windows 10 64bits RS4 RedHat [®] Enterprise Linux, SuSE [®] Linux Enterprise Server CentOS, Ubuntu, Vmware, Citrix XenServer Please find the latest OS support from http://www.asus.com/ | |
| Management Solution | Software | ASUS Control Center (Classic) | |
| | Out of Band Remote Management | Optional ASMB9-iKVM for KVM-over-IP | |
| Dimension | | 9.6" x 9.6" (Micro ATX) | |
| Environment | | Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing) | |