SERIES

Micro ATX form factor with versatile expansions and 10G solution

intel inside
Xeon

Form Factor
Micro ATX

CPU Number
1

Memory Number
4
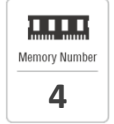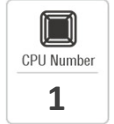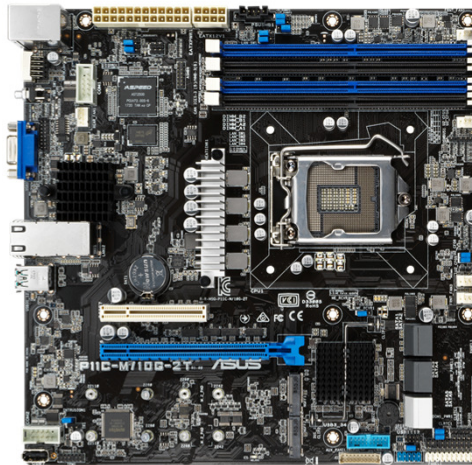
ASUS P11C-M/10G-2T is an Intel® Mehlow platform Micro ATX rack server based on Intel® C242 chipset. With the CPU and memory configured in a front parallel design that enables efficient airflow for excellent thermal performance, P11C-M/10G-2T is optimized for rack placement.

Target market

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

Dual Intel® X550 10G Ethernet

- Increased data throughput and improved efficiency.
- Reserve valuable expansion for other applications

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
- 10 GbE LAN on board support
- Dual M.2 support
- 2 x PCIe Expansion Slots
- Rack-optimized Design

P11C-M/10G-2T
9.6" x 9.6" (Micro ATX)

P11C-M/10G-2T Rear View

Micro ATX compact with Highest Power Efficiency

P11C-M/10G-2T provide dual 10G 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/10G-2T, 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.

Dual on board 10G LAN

Featuring dual onboard 10G LAN ports backed by the cutting-edge Intel X550AT2 10GBASE-T Ethernet controller, P11C-M/10G-2T provides server-class connectivity that supports high-density, high-bandwidth and low-latency access-layer networks. The onboard controller negates the need to allocate a PCI Express slot to a dedicated network card, saving valuable space for other components.

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. Dual 10GbE 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

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 Dual Port Intel X550-AT 10 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		Please find the latest OS support from https://www.asus.com/event/Server/OS_support_list/OS.html
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℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)