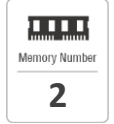
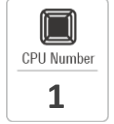
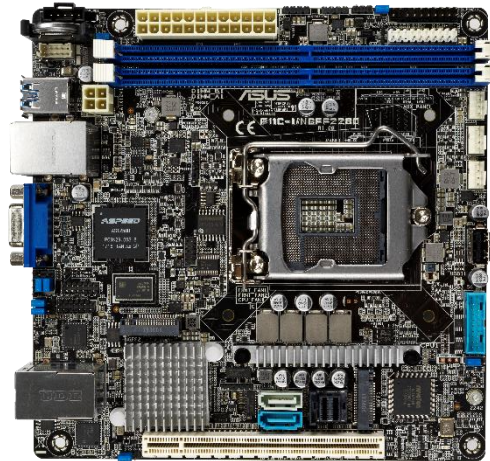


SERIES

Best Storage and High Density Computing Candidate



ASUS P11C-I/NGFF2280 is an Intel® Mehlow platform Mini-ITX server board 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-I/NGFF2280 is optimized for rack placement.

Target market

- Small form factor servers
- Front-end web server (web hosting), appliance

Rack-Optimized Mini-ITX compact form factor increases density

As a slim size serverboard, the 6.7" x 6.7" Mini ITX form factor of P11C-I/NGFF2280 fits for various small form factor appliance servers. P11C-I/NGFF2280 can be easily integrated in short depth chassis, thus P11C-I/NGFF2280 no doubt increases the density in a rack cabinet to provide higher computing power per rack than before.

Fruitful Storage I/O Expandability

- Native 6 SATA 6G onboard
- Dual M.2 (Gen3 x2)(Gen3 x4) for OS drive and storage
- PCI-E x16 Link enable extreme flexibility

Dual M.2 unleash independent I/O for OS & storage drive

Support dual M.2 on mini-ITX form factor, either SATA and PCIe source can be auto by switch. Special edge design capable to increase from 2242 to 22110. With x2 PCI Express 3.0 bandwidth, one M.2 supports up to 32Gbit/s data-transfer speeds. It is the perfect choice for an operating system or application drive.

Comprehensive IT infrastructure management solution

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

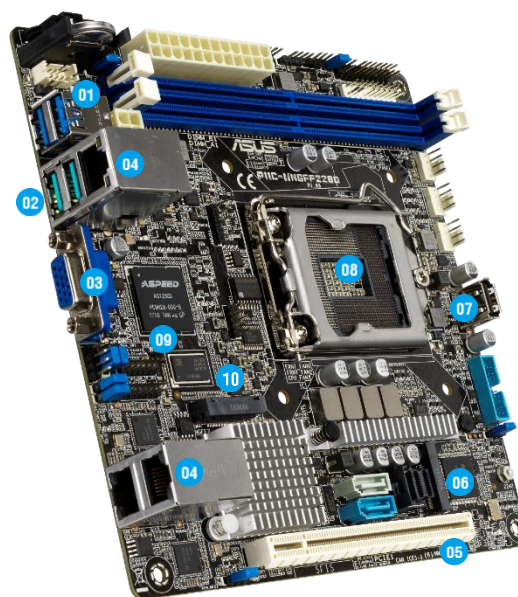
FEATURE

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

P11C-I/NGFF2280
6.7" x 6.7" (ATX)



P11C-I/NGFF2280 Rear View



1. 2 x USB 3.1
2. 2 x USB 3.0
3. 1 x VGA port
4. Dual Intel® server LAN , 1 x Management LAN
5. 1 x PCI-E x 16 (Gen3 x16 link)
6. 1 x M.2 (NGFF), 2242
7. 1 x Vertical USB 2.0 port
8. Intel LGA1151 CPU socket
9. Optional ASMB9-iKvm
10. 1 x M.2(NGFF), 2280

SPECIFICATION

Processor Support		1 x Socket P0 (LGA 1151) Intel® Xeon® processor E-21xxx/E-22xxx product family (95W) Intel® Core™ i3 processors Intel® Pentium™ processors Intel® Celeron™ processors
Core Logic		Intel® C242 PCH
Memory	Total Slots	2 (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	32GB, 16GB, 8GB, 4GB (UDIMM) *Refer to ASUS server AVL for the latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	1
	Slot Type	1 x PCI-E x16 (Gen3 x16 link)
	Audio	-
Disk Controller	SATA Controller	Intel® C242 - 6 x SATA 6Gb/s ports (4 by 1 mini-SAS Connector) - 1 x M.2 connector(NGFF 2242, PCI-E Gen3 x2 or SATA signal) - 1 x M.2 connector(NGFF 2280, PCI-E Gen3 x4 link or SATA signal) Intel® RSTe (Support software RAID 0, 1, 10 & 5) (gray SATA port will disable when M.2 is SATA signal)
	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 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 + 4-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 connector (Type A USB socket)
	Fan Header	3* 4pin
	SMBus	1
	Chassis Intruder	1
	Serial Port Header	1
	Device 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, 2 x RJ-45 GbE LAN ports, 1 x RJ-45 Mgmt LAN port
Switch/LED		-
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		6.7" x 6.7" (Mini-ITX)
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)