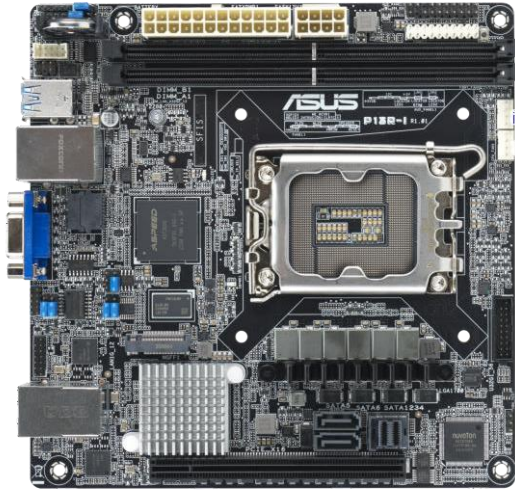


P13R-I

Mini-ITX form factor with versatile expansions



ASUS P13R-I is an Intel® Xeon® E-2400 LGA 1700 Mini-ITX server motherboard with two DDR5 ECC UDIMM slots, one M.2 slot, dual LAN ports, six SATA ports, one PCIe® 5.0 slot, two USB 10Gbps ports and an onboard ASUS ASMB11-iKVM management module.

Target market

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

Fruitful Storage I/O Expandability

- Native 6 SATA 6G onboard
- M.2 (NGFF, Gen4 x4) for independent OS drive
- PCI-E x16 Link enable extreme flexibility

Comprehensive IT infrastructure management solution

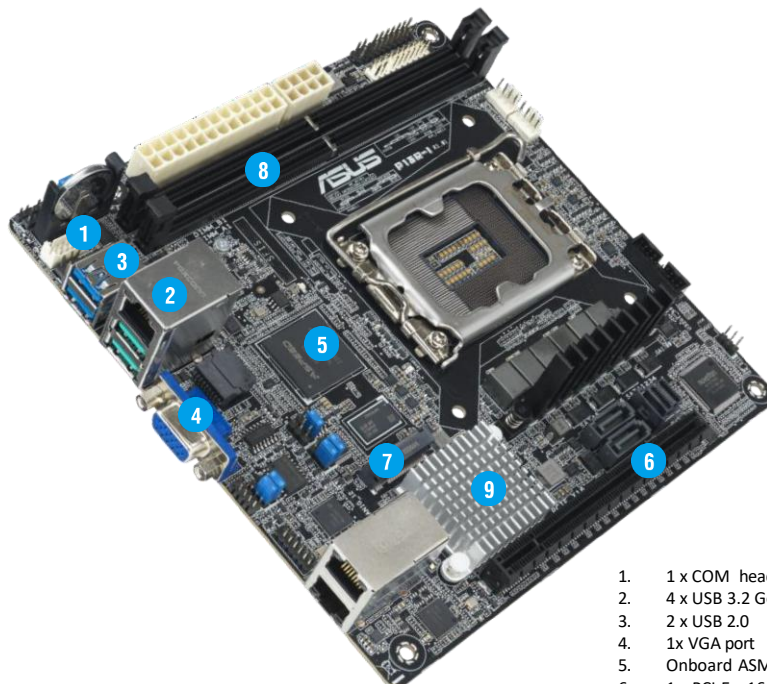
- Onboard ASUS ASMB11-iKVM management module
- ASUS Control Center (ACC Classic)

Rack-Optimized Mini-ITX compact form factor increases density

As a slim size server board, the 6.7" x 6.7" Mini ITX form factor of P12R-I fits for various small form factor appliance servers. P12R-I can be easily integrated in short depth chassis and also increases the density in a rack cabinet to provide higher computing power per rack.

M.2 unleash independent I/O for OS drive

Special edge design capable to increase. One M.2 support to 2280 PCIe Gen4 x4 Link for faster OS booting. It is the perfect choice for an operating system or application drive.



1. 1 x COM header
2. 4 x USB 3.2 Gen2, 1 x Management LAN
3. 2 x USB 2.0
4. 1x VGA port
5. Onboard ASMB11-iKVM
6. 1 x PCI-E x 16 (Gen5 x 16 link)
7. 1 x M.2 /2280
8. 4 x DIMM slots
9. Intel® C262 Chipset

P13R-I
6.7" x 6.7" (Mini-ITX)



P13R-I Rear View

P13R-I

SPECIFICATION

Processor Support.		1 x Socket V (LGA 1700) Intel® Xeon® E processors (95W) Intel® Pentium™ processors
Core Logic		Intel® C262 PCH
Memory	Total Slots	4 (2-channel per CPU)
	Capacity	Maximum up to 64GB
	Memory Type	DDR5 4800 ECC UDIMM *Refer to ASUS server AVL for the latest update
	Memory Size	64GB
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	1
	Slot Type	1 x PCI-E x16 (Gen5 x16 link)
Disk Controller	SATA Controller	Intel® C262 6 x SATA 6Gb/s ports 1 x M.2 connector (NGFF 2280)
Networking	LAN	2 x Intel® I210-AT2 + 1 x Mgmt LAN
Graphic	VGA	Aspeed AST2600 64MB
Onboard I/O connectors	TPM header	1
	PSU connector	24-pin ATX power connector + 8-pin ATX 12V power connector
	Management Header	-
	USB Connector/Header	2 x USB 3.2 Gen2 (rear) 2 x USB 3.2 Gen1 (rear)
	Fan Header	2 x 4pin
	SMBus	-
	Chassis Intruder	1
	Serial Port Header	1
	Device Power Connector	-
	VGA Header	-
	M.2 Connector	1
Rear I/O Ports		1 x VGA port, 4 x USB3.2+1 x Mgmt LAN port, 2 x GbE 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	Onboard ASMB11-iKVM for KVM-over-IP
Dimension		6.7" x 6.7" (Mini ITX)
Environment		Operation temperature: 10°C ~ 50°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing) *The boundary condition above is based on 8.3W of PCH TDP spec . If the LFM estimate is higher than acceptable value from customer, ASUS can provide boundary condition with raw power for reference.