

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.

FEATURE

- Intel Catlow platform ATX server board
- Single LGA1700 socket
- PCI-E x16 Gen5 supported for graphic card
- 2 x GbE LAN on board support
- 2 x M.2 support
- 2 x PCIe Gen5 Expansion Slots
- Rack-optimized Design

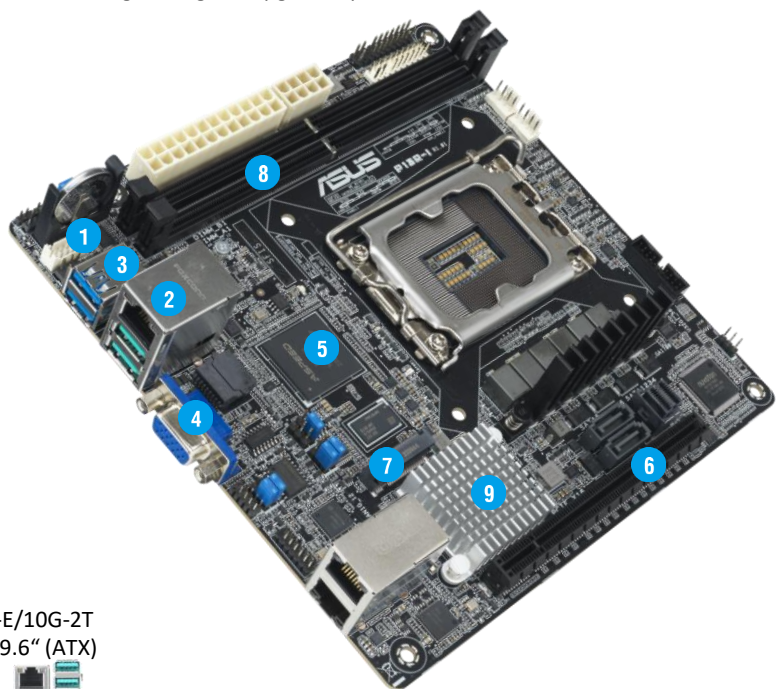
Mini-ITX compact with Highest Power Efficiency

Intel® Mini-ITX server board designed for SMB with rich I/O expansion and functionality in a compact footprint, including six SATA ports, dual Intel LAN ports, one M.2 slot and two DDR5 ECC memory slots.

Optional PIKE II 3x08 Series SAS 12Gb/s solution

ASUS PIKE II 3x08 series is the 12Gb/s SAS and PCI-E 3.0 high reliability enterprise storage solution. It meets users' needs with support 12Gb/s SAS storage and various RAID levels data protection. Just placing the PIKE II card, P13 Series can immediately enlarge the capacity and improve the performance, making it the great upgrade option.

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-E/10G-2T
12" x 9.6" (ATX)



P13R-E/10G-2T 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)