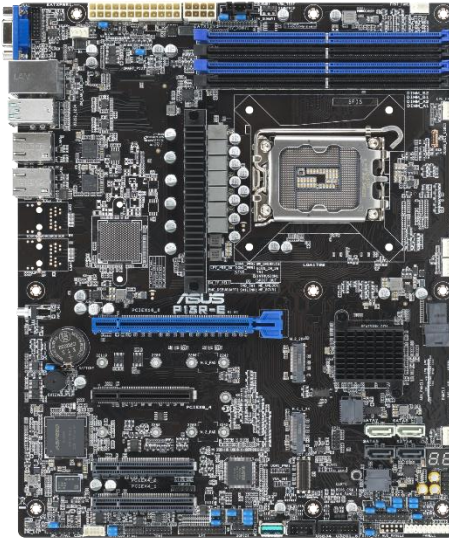


# P13R-E

## ATX form factor with versatile expansions



ASUS P13R-E/1G is an Intel® Xeon® E-2400 LGA 1700 ATX server motherboard with four DDR5 ECC UDIMM slots, one M.2 slot, dual LAN ports, eight SATA ports, two PCIe® 5.0 slots, two PCIe 4.0 slots, four USB 10Gbps ports, two USB 2.0 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

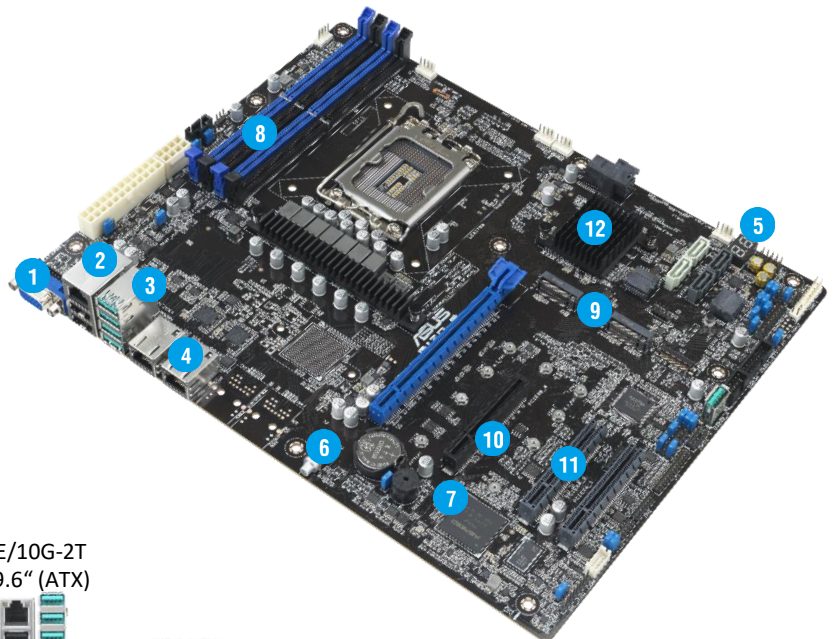
### ATX compact with Highest Power Efficiency

P13R-E provide dual server-class Intel® Ethernet , native 8 SATA 6G, 2 x PCI Express 5.0 slots to provide advanced I/O design. The 12" x 9.6" ATX form factor can be easily integrated in short-depth chassis to greatly increase rack compute density.

### 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 VGA port
2. 2 x Intel® I210-AT2
3. 4 x USB 3.2 Gen2, 1 x Management LAN
4. 2 x USB 2.0
5. 1 x Q-Code/Port 80 LED
6. Rear power bottom
7. Onboard ASMB11-iKVM
8. 1 x PCI-E x 16 (Gen5 x 16 link)
9. 2 x M.2 /22110
10. 1 x PCI-E x 8 (Gen4x 4 link)
11. 4 x DIMM slots
12. Intel® C262 Chipset



P13R-E/10G-2T  
12" x 9.6" (ATX)



P13R-E/10G-2T Rear View

# P13R-E

# SPECIFICATION

<b>Processor Support.</b>		1 x Socket V (LGA 1700) Intel® Xeon® E processors (95W) Intel® Pentium™ processors
<b>Core Logic</b>		Intel® C266 PCH
<b>Memory</b>	<b>Total Slots</b>	4 (2-channel per CPU)
	<b>Capacity</b>	Maximum up to 128GB
	<b>Memory Type</b>	DDR5 4400 ECC UDIMM *Refer to ASUS server AVL for the latest update
	<b>Memory Size</b>	128GB
<b>Expansion Slots</b>	<b>Total PCI/PCI-X/PCI-E/PIKE Slots</b>	4
	<b>Slot Type</b>	1 x PCI-E x8 (Gen4 X4 Link) 1 x PCI-E x8 (Gen4 X4 Link) 1 x PCI-E x8 (Gen5 X8 Link) 1 x PCI-E x16 (Gen5 X16 Link), Auto switch to x8 link if slot 4 is occupied
<b>Disk Controller</b>	<b>SATA Controller</b>	Intel® C266 8 x SATA 6Gb/s ports 1 x M.2 connector (NGFF 22110)
<b>Networking</b>	<b>LAN</b>	2 x Intel® I210-AT2 + 1 x Mgmt LAN
<b>Graphic</b>	<b>VGA</b>	Aspeed AST2600 64MB
<b>Onboard I/O connectors</b>	<b>TPM header</b>	1
	<b>PSU connector</b>	24-pin ATX power connector + 8-pin ATX 12V power connector
	<b>Management Header</b>	-
	<b>USB Connector/Header</b>	4 x USB 3.2 Gen2 (rear) 2 x USB 2.0 (rear)
	<b>Fan Header</b>	6 x 4pin
	<b>SMBus</b>	1
	<b>Chassis Intruder</b>	1
	<b>Serial Port Header</b>	-
	<b>Device Power Connector</b>	-
	<b>VGA Header</b>	1
	<b>M.2 Connector</b>	2
<b>Rear I/O Ports</b>		1 x VGA port, 4 x USB3.2+1 x Mgmt LAN port, 2 x GbE LAN port, 2 x USB 2.0
<b>Switch/LED</b>		Rear Switch/LED: 1 x Q-Code/Port 80 LED, 1 x Power switch
<b>OS Support</b>		Please find the latest OS support from <a href="https://www.asus.com/event/Server/OS_support_list/OS.html">https://www.asus.com/event/Server/OS_support_list/OS.html</a>
<b>Management Solution</b>	<b>Software</b>	ASUS Control Center (Classic)
	<b>Out of Band Remote Management</b>	Onboard ASMB11-iKVM for KVM-over-IP
<b>Dimension</b>		12" x 9.6" (ATX)
<b>Environment</b>		Operation temperature: 10°C ~ 50°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing)