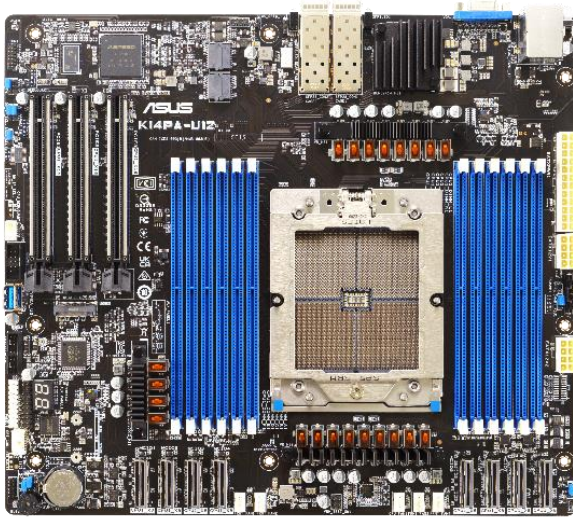# K14PA-U12

CEB form factor with versatile expansions

Form Factor	CEB	CPU Number	1	Memory Number	12

ASUS K14PA-U12 leverages the impressive performance and streamlined platform componentry of AMD EPYC™ 9004 processors, enabling original equipment manufacturers (OEMs) to offer cost-effective, business-relevant server configurations.

FEATURE

- 96 "Zen 4" cores and 128 "Zen 4C" cores AMD EPYC™ platform CEB server board
- Dual SFP28 25 Gbps
- 12 x DIMM slots
- 1 x M.2 support
- 3 x PCIe Gen5 Expansion Slots
- 8 x MCIO Gen5

Target market

- Telco deployments
- Cloud service
- Edge

1. 2 x USB 3.2 Gen1, 1 x Management LAN
2. 1 x VGA port
3. Broadcom BCM57414B1KFSBG
4. 2 x SFP28 25Gb/s
5. Aspeed AST2600
6. 1 x TPM header
7. 3 x PCI-E x16 (Gen5 x 16Link)
8. 2 x MCIO Gen5x8 (SATA or NVMe)
9. 6 x MCIO Gen5x8 (NVMe)
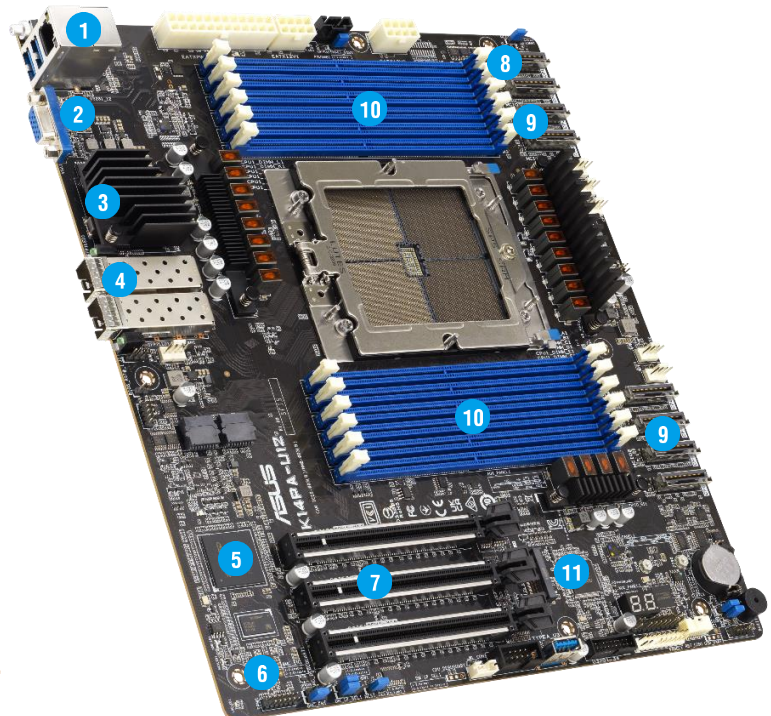10. 12 x DIMM slots
11. 1x M.2 Socket, up to 2280

Dual SFP28 25-gigabit Ethernet with teaming support

K14PA-U12 provides ultra-high-speed network connectivity, with each SFP28 25-gigabit Ethernet connection offering up to 25 Gbps bandwidth, vastly outperforming traditional gigabit Ethernet. This speed enhances data-traffic handling, thereby improving application performance.

Flexible expandability

K14PA-U12 also boasts flexible expandability with eight MCIO slots, and MCIO7/MCIO8 supporting both NVMe and SATA drives onboard. This design offers versatile storage options, allowing users to choose between NVMe and SATA drives to meet a variety of storage needs. Additionally, it ensures high performance with support for NVMe drives, making it ideal for data-intensive applications like databases and high-performance computing.

K14PA-U12 Rear View

12"x10.5" (CEB)

K14PA-U12

SPECIFICATION

Processor Support.		1 x Socket SP5 (LGA 6096)
Core Logic		AMD EPYC™ 9004 Series
Memory	**Total Slots**	12 (12-channel, 1-DIMM per Channel)
	Capacity	Maximum up to 3TB
	Memory Type	DDR5 4800 RDIMM/3DS RDIMM *Please refer to www.asus.com for latest memory AVL update
	Memory Size	256GB, 128GB, 96GB, 64GB, 48GB, 32GB, 24GB, 16GB (RDIMM) *Please refer to www.asus.com for latest memory AVL update
Expansion Slots	**Total PCI/PCI-X/PCI-E/PIKE Slots**	3
	Slot Type	3 x PCIe 5.0 x 16 slot (x16 link) (Can support x16 to x4x4x4x4) (BIOS setting) FL
Disk Controller	**SATA Controller**	CPU Integrated
Networking	**LAN**	2 x SFP28 25Gb/s (Broadcom BCM57414B1KFSBG) + 1 x Mgmt LAN
Graphic	**VGA**	Aspeed AST2600 64MB
Onboard I/O connectors	**TPM header**	1
	PSU connector	24-pin SSI power connector + 8-pin SSI 12V + 8-pin SSI 12V
	USB Connector/Header	2 x USB 3.2 Gen1 ports(rear) 1 x USB 3.2 Gen1 header (2 port for front panel) 1 x USB 3.2 Gen1 port (1 port Type-A vertical)
	Fan Header	6 x 4pin
	SMBus	1
	Chassis Intruder	1
	Serial Port Header	1
	VGA Header	1
	M.2 Connector	1 x M.2 (PCIe Gen5x4, support 2280) (SATA Mode support)
Rear I/O Ports		2 x USB 3.2 Gen1 ports 1 x VGA port 2 x SFP28 25Gb/s 1 x RJ-45 Management port
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
	Out of Band Remote Management	ASMB11-iKVM module for KVM-over-Internet
Dimension		CEB 12" x 10.5"
Environment		Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)