



C612NP-8LAN

Product Features

The C612NP-8LAN is a high-performance network platform motherboard based on the Intel C612 chipset. It supports Intel Xeon E5 v4 processors and integrates 8x independent 2.5Gb Ethernet ports for exceptional throughput. With dual M.2 SSD slots and versatile expansion interfaces, it delivers powerful computing performance, strong networking capability, and industrial-grade reliability—ideal for network security, virtualization, and edge computing applications.

Application Scenarios



Network Infrastructure



Cybersecurity and Auditing



Virtualization Platform



Edge Computing Nodes

Processor	Product Collection	Intel Xeon Processor E5 v4 Family
	Sockets Supported	FCLGA2011-3
Memory specifications	Memory Type	DDR4 SO-DIMM (Non-ECC)
	Maximum Capacity	64GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	2*M.2 Key-M SSD (PCIe 3.0)
Network features	Ethernet	8*2.5GbE
	Controller	8*Intel I226V
I/O Chip		ITE IT8784E-I
Extension interface	PCIe	1*PCIe x16 (Gen3 x8 rate) 1*PCIe x8 (Gen3)
	mPCIe	1*mPCIe (USB Signal) 1*mPCIe (PCIe Signal is shared with M.2 Key-E)
	M.2	1*M.2 Key-E (PCIe Signal is shared with mPCIe)
Display functions	Pins	1*VGA
	Chip	Based on onboard ASPEED chip
Backplane I/O	USB	4*USB-A 3.0
	COM	1*RJ45 COM-RS232
	LAN	8*RJ45
Onboard I/O	Power Supply	1*Jack DC 5.5/2.5mm
	SATA	2*SATA Data connector/2*SATA Power socket

	1*F_PANEL	
	1*JVGA	
	1*JCOM	
Pins		
	1*LPT	
	1*TPM	
	2*F_USB2.0	
USB	1*USB-A 2.0	
Fan	1*CPU_FAN/4*SUS_FAN	
Power	1*ATX 4-pin Connector	
Power supply mode	DC	12~24V
Motherboard size	Specification	287*160 (mm)
Work Environment	Temperature	-10°C~60°C;
	Humidity	5%~90% (Relative humidity, no condensation)



1U- C612NP-8L

Product Features

The 1U-C612NP-8L is a 1U rackmount server designed for high-load network environments. Based on the Intel C612 chipset, it supports Intel Xeon E5 v4 processors and integrates 8x 2.5GbE high-speed Ethernet ports. Two reserved PCIe expansion slots allow the addition of extra copper or fiber network cards. With its exceptional network density, powerful multi-core processing, and versatile scalability, it is an ideal hardware platform for enterprise gateways, network security appliances, and edge computing nodes.

Application Scenarios



Network Infrastructure



Cybersecurity and Auditing



Virtualization Platform



Edge Computing Nodes

Processor	Product Collection	Intel Xeon Processor E5 v4 Family
	Sockets Supported	FCLGA2011-3
Memory specifications	Memory Type	DDR4 SO-DIMM (Non-ECC)
	Maximum Capacity	64GB
Network features	Maximum Frequency	2400 MT/s
	Ethernet	8*2.5GbE
Interface	Controller	8*Intel I226V
	Ethernet	8*RJ45
Front Panel	USB	4*USB-A 3.0
	Console	1*RJ45 COM
Back Panel	Expanded	2*Reserved
	Display	1*VGA
PCIe	Power	1*AC Sockrt
	Reserved	4*Antenna hole
Expansion slot	1*PCIe x16 (Gen3 x8 rate)	
	1*PCIe x8 (Gen3)	
mPCIe	1*mPCIe (USB Signal)	
	1*mPCIe (PCIe Signal is shared with M.2 Key-E)	
M.2	1*M.2 Key-E (PCIe Signal is shared with mPCIe)	
	Cooling Method	Active Cooling, 1*CPU Fan, 2*Chassis Fan
System Specifications	Chassis Size	440*255*45 (mm)
	Weight	Equipment Weight 3.80 KG; Package Weight 4.50 KG (including accessories)
Power Mode	Input: 85V~264V AC 47~63 Hz, Output: DC 24V 8.4A	
Work Environment	Temperature	0~50°C
	Humidity	5%~90% (Relative humidity, no condensation)