1264N4L-PCIE

Product Features

The 1264N4L-PCIe is a high-performance embedded motherboard based on Intel N-series processors. It integrates 4 x 2.5GbE high-speed network ports, a rich set of expansion interfaces, and flexible storage solutions. It is designed for network security equipment, edge computing, IoT gateways, and lightweight server applications. Its compact size and wide-voltage power input design make it suitable for building rack-mount network systems, as well as industrial scenarios and customized embedded solutions.

Application Scenarios

Network Security Firewalls

IoT Gateways

Multimedia and Surveillance

Development Testing

Category	Item	Specification
Processor	Product Collection	Intel Processor N–series
	Sockets Supported	FCBGA1264
Memory specifications	Memory type	DDR5 SO–DIMM
	Maximum capacity	16GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	1*SATA 3.0 [ASM1153 Controller]
	M.2	1*M.2 Key–M 2280 (PCIe Gen3 x1/SATA)
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	mPCIe	1*mPCIe (USB 2.0 signal)
Network features	Ethernet	4*2.5GbE
	Controller	4*Intel I226V
Display functions	Onboard	1*VGA/1*HD
I/O Chip	Chip	IT8613E–LX
Backplane I/O	USB	1*USB–A 3.0/3*USB–A 2.0
	Display	1*VGA/1*HD
	COM	2*DB9 COM
	LAN	4*RJ45
	Power supply	1*Jack DC 5.5/2.5mm
Onboard I/O	SATA	1*SATA Data connector/1*SATA Power socket
	Pins	1*F_PANEL

		1*F_USB1 (can expand 2x USB2.0 ports)
		1*JVGA/1*JHD
		1*J_COM (RS232)
		1*JGPIO
	SIM	1*SIM Card solts
	Fan	1*SYS_FAN/1*CPU_FAN
Power supply mode		1*ATX 12V 4-pin Connector or 1*Jack DC 12V/24V
Motherboard size	Specification	180 mm*225 mm
Work Environment	Temperature	0~50℃
	Humidity	5%~90% (Relative humidity, no condensation)

OTS-1264 N4L

Product Features

The OTS-1264N4L is a compact network appliance designed for multi-port network applications, edge computing, and embedded scenarios. It's ideal for routers, firewalls, lightweight NAS, or IoT gateways. With an optional Intel N-series embedded processor and four 2.5GbE ports, it's ideal for small and medium-sized enterprises, industrial environments, or home offices, particularly those requiring efficient network performance and extensive scalability.

Application Scenarios

Network Security Firewalls

IoT Gateways

Multimedia and Surveillance

Development Testing

Processor	Product Collection	Intel Processor N–series
	Sockets Supported	FCBGA1264
Memory specifications	Memory type	DDR5 SO–DIMM
	Maximum capacity	16GB
	Maximum frequency	4800 MT/s
Storage specifications	M.2	1*M.2 Key–M 2280 (PCIe Gen3 x1/SATA)
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	mPCIe	1*mPCIe (USB 2.0 signal)
Interface	Front Panel	Ethernet	4*RJ45
		USB	1*USB–A 3.0/3*USB–A 2.0
		Console	1*RJ45 COM
		Expanded	Reserved
	Back Panel	SIM	1*SIM Card slot
		Display	1*HD/1*VGA
		Power	1*Jack DC_IN
Cooling Method	Active Cooling, 1*CPU Fan		
System Specifications	Chassis Size	240*185*43 (mm)	
	Weight	Equipment Weight 1.95 KG; Package Weight 2.55 KG (including accessories)	
Power Mode	DC	12V_7A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

1U-1264N4L

Product Features

The 1U-1264N4L is a high-performance, low-power 1U rackmount network application platform supporting Intel N-series embedded processors, flexibly meeting diverse application requirements, from entry-level to mid-range and high-performance. Featuring high-speed DDR5 memory, a rich set of expansion interfaces, and multiple network port configurations, it provides a stable and reliable hardware foundation for enterprise network security, edge computing, and data center applications.

Application Scenarios

Network Security Firewalls

IoT Gateways

Multimedia and Surveillance

Development Testing

Processor	Product Collection	Intel Processor N–series
	Sockets Supported	FCBGA1264
Memory specifications	Memory type	DDR5 SO–DIMM
	Maximum capacity	16GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	1*SATA 3.0
	M.2	1*M.2 Key–M 2280 (PCIe Gen3 x1/SATA)
Interface	Front Panel	Network	4*RJ45 LAN
		USB	1*USB–A 3.0/3*USB–A 2.0
		Console	1*RJ45 COM
		Expanded	Reserved
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2 Groups (Reserve)
		Power	1*AC power socket
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	mPCIe	1*mPCIe (USB 2.0 signal)
Cooling Method		Active Cooling, 1*CPU Fan/2*Chassis Fan
System Specifications	Chassis Size	440*285*45 (mm)
	Weight	Equipment Weight 3.85 KG; Package Weight 4.95 KG (including accessories)
Power Mode		Input: 100V~240V AC 50~60 Hz, Maximum 75W
Work Environment	Temperature	0~50℃
	Humidity	5%~90% (Relative humidity, no condensation)