



1264NP-4L-5G

Product Features

The 1264NP-4L5G is a Nano-ITX industrial motherboard designed specifically for intelligent edge nodes. Powered by an Intel Alder Lake-N series embedded processor, it integrates 4×2.5Gb Ethernet and dual SIM cards slots for a redundant cellular network architecture. With a wide operating temperature range and multiple interfaces, it provides an always-on communication hub solution for smart energy, intelligent transportation, the Industrial Internet of Things, and network security.

Application Scenarios



Industrial Communication
Hub



Smart Edge Node



Cybersecurity



IoT Gateway

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 6Gb/s
	M.2	1*M.2 Key-M 2280 (PCIe Gen3 x2)
Network features	Ethernet	4*2.5GbE
	Controller	4*Intel I226V
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
Display functions	Port	1*DP/1*HD
	Chip	Intel UHD Graphics
Backplane I/O	USB	4*USB-A 2.0/2*USB-A 3.2
	Display	1*DP/1*HD
	COM	1*RJ45 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*J_COM (RS232/RS485)
	SIM	2*SIM card slots
	Fan	1*SYS_FAN
Power supply mode	DC	12V
Motherboard size	Specification	120*120 (mm)
Work Environment	Temperature	-20℃~60℃;
	Humidity	0%~90% (Relative humidity, no condensation)



G30W-1264NP -4L5G

Product Features

G30W-1264NP-4L5G is a 4G/5G intelligent edge industrial computer for remote unattended scenarios. Equipped with Intel N series processors, it integrates 4×2.5GbE network ports and dual wireless module expansion capabilities. Through dual storage architecture and wide temperature fanless design, it provides “wired + wireless” redundant full-time connection solutions for smart energy, traffic inspection and field equipment.

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Memory specifications	Maximum Capacity	16GB	
	Maximum Frequency	4800 MT/s	
Storage specifications	SATA	1*SATA 6Gb/s	
	M.2	1*M.2 Key-M 2280	
Extension interface	mPCIe	1*mPCIe (PCIe/USB3.0 Signal)	
	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)	
Interface	Front Panel	Ethernet	4*RJ45
		Console	1*RJ45 COM
		Power supply	1*Jack DC 5.5/2.5mm
	Back Panel	USB	4*USB-A 2.0/2*USB-A 3.2
		SIM	2*SIM Card slot
		Display	1*DP/1*HD
		Button	Start or Restart
	Cooling Method	Passive Cooling, Fanless (Need air flow)	
System Specifications	Chassis Size	136*126*40 (mm)	
	Weight	Equipment Weight 0.75 KG; Package Weight 1.25 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

H30W-1264NP -4L5G



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Interface	Front Panel	Ethernet	4*RJ45
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	Back Panel	USB	4*USB-A 2.0/2*USB-A 3.2
		SIM	2*SIM Card slot
		Display	1*DP/1*HD
		Button	Start or Restart
Cooling Method	Passive Cooling	Fanless (Need air flow)	
	Chassis Size	138*126*48 (mm)	
System Specifications	Weight	Equipment Weight 0.75 KG; Package Weight 1.25 KG (including accessories)	
	Power Mode	DC	12V 4A or Higher
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	