



1493NP-4L-5G

Product Features

The BK-1493NP-4L-5G is an ultra-compact Nano-ITX industrial motherboard designed for high-speed networking and integrated wireless communication applications. Powered by an Intel Celeron J-series processor, it features 4x 2.5GbE Ethernet ports and an innovative dual-SIM design, enabling seamless integration of 5G/4G cellular modules. With its strong networking capabilities, excellent environmental adaptability, and rich industrial I/O interfaces, it serves as an ideal core platform for mobile communication gateways, industrial IoT edge nodes, and intelligent connected devices

Application Scenarios



Cybersecurity



IoT Edge Gateway



Industrial Control Automation



Embedded Terminal

Processor	Product Collection	Intel Celeron Processor J Series
	Sockets Supported	FCBGA1493
Memory specifications	Memory Type	2*DDR4 SO-DIMM
	Maximum Capacity	2*16GB
	Maximum Frequency	3200 MT/s
Storage specifications	SATA	1*SATA 3.0 (6Gb/s)
	M.2	1*M.2 Key-M 2280 (PCIe Gen3 x2 rate)
Network features	Ethernet	4*2.5GbE
	Controller	4*Intel I226V
Extension interface	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB2.0 Signal)
Display functions	Port	1*DP/1*HD
	Chip	Intel UHD Graphics
Backplane I/O	USB	1*USB-A 3.0/5*USB-A 2.0
	Display	1*DP/1*HD
	Console	1*RJ45 COM RS232
	LAN	4*RJ45
	Button	1*Start or Restart Button, 1*Clear CMOS Button
	Power supply	1*Jack DC 5.5/2.5mm
Onboard I/O	SATA	1*SATA Data connector/1*SATA Power socket
	SIM	2*SIM Card slots
	Fan	1*System Fan power socket
	Pins	1*J_COM RS232 or RS485, 1*J_COM RS232

		1*F_Panel
		1*F_USB2.0
Power supply mode	DC	12V
Motherboard size	Specification	120*120 (mm)
Work Environment	Temperature	-20~60℃
	Humidity	5%~90% (Relative humidity, no condensation)



G30W-1493NP -4L-5G

Product Features

The G30W-1493NP-4L-5G is a compact fanless embedded network appliance powered by the Intel Celeron J-series processor. Designed for stable, silent, and energy-efficient operation, it integrates 4x 2.5Gigabit Ethernet ports, dual SIM card slots, and flexible 4G/5G and Wi-Fi expansion, making it ideal for modern edge networking and industrial IoT applications. Its ultra-small chassis and passive cooling design allow effortless deployment in confined spaces while ensuring reliable long-term operation.

Application Scenarios



Cybersecurity



IoT Edge Gateway



Industrial Control Automation



Embedded Terminal

Processor	Product Collection	Intel Celeron Processor J Series	
	Sockets Supported	FCBGA1493	
	Memory Type	2*DDR4 SO-DIMM	
Memory specifications	Maximum Capacity	2*16GB	
	Maximum Frequency	3200 MT/s	
Storage specifications	SATA	1*SATA 3.0	
	M.2	1*M.2 Key-M 2280	
Interface	Front Panel	Power	1*Jack DC_IN
		Console	1*RJ45 RS232
		Ethernet	4*RJ45
	Button	1*Power button, 1*Clear CMOS button	
		SIM	2*SIM Card slots
		USB	1*USB-A 3.0, 5*USB-A 2.0
	Back Panel	Display	1*DP/1*HD
		Antenna hole	2*Reserved
	Extension interface	M.2	1*M.2 Key-B 3052 (USB3.0 Signal)
		mPCIe	1*mPCIe (PCIe/USB2.0 Signal)
Cooling Method	Passive Cooling, Fanless (Need air flow)		
System Specifications	Chassis Size	136*126*40 (mm)	
	Equipment Weight	Equipment Weight 0.65 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)	