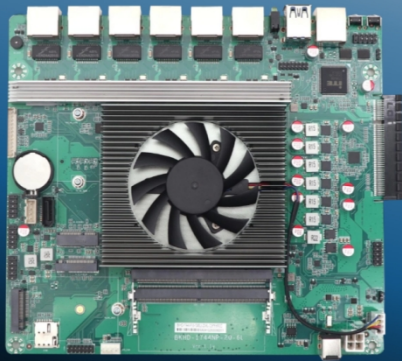




1744NP-20-6L

Product Features

The 1744NP-20-6L, a compact industrial-grade embedded motherboard, is ideal for building high-performance routers, firewalls, NAS devices, or IoT gateways. It features Intel's 12th or 13th Generation laptop processors, 6x 2.5GbE ports, and a PCIe x8 expansion slot, ensuring reliable hardware for high-performance computing, fast network transmission, scalability, and wide-temperature durability. Suitable for small and medium-sized businesses, industrial automation, or remote deployment environments with multitasking and reliable network connectivity.

Application Scenarios



Edge computing



Network Firewall



Embedded Terminal



Industrial Automation

Processor	Product Collection	Intel 12th/13th Gen Processors
	Sockets Supported	FCBGA1744
	Memory type	2*DDR5 SO-DIMM
Memory specifications	Maximum capacity	2*48GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	1*SATA 3.0
	M.2	2*M.2 Key-M 2280
Network features	Ethernet	6*2.5GbE
	Controller	6*Intel I226V
Extension interface	PCIe	1*PCIe x8 (Gen4)
	M.2 Key-E	1*M.2 Key-E 2230 (PCIe+USB+CNVi Signal)
	M.2 Key-E	1*M.2 Key-B 3052 (USB Signal)
	Onboard Pins	1*JVGA/1*JHDMI
Display functions	Chip	Intel UHD Graphics
	USB	2*USB-A 3.2
Backplane I/O	LAN	6*RJ45
	LED	PWR LED/HDD LED
	Button	1*Power button, 1*Reset button
	COM	1*RJ45 COM
	Power Supply	1*Jack DC IN 55*25
Onboard I/O	SATA	1*SATA Data connector/1*SATA Power socket
		1*JTPM 2.0
	Pins	1*JGPIO (8-Way)
		1*J_COM2 (RS232)

		3*F_USB (can expand 6x USB2.0 ports)
		1*JVGA/1*JHDMI
	Fan	1*SYS_FAN/1*CPU_FAN
	SIM	1*SIM Card slot
Power supply mode	DC	ATX 4-PIN or DC_IN 12V
Motherboard size	Specification	180*200 (mm)
Work Environment	Temperature	-20℃~55℃;
	Humidity	5%~90% (Relative humidity, no condensation)



1U-1744NP -6L

Product Features

The 1U-1744NP-6L is a high-performance 1U rackmount network appliance for firewalls, routers, VPN gateways, edge computing, and industrial security applications. Powered by Intel 12th/13th Gen FCBGA1744 processors, it supports dual DDR5 SO-DIMM memory up to 96GB. With 6× RJ45 LAN, dual USB 3.2, RJ45 console, multiple M.2 slots, PCIe x8 Gen4 expansion, optional VGA/HD output, active cooling, and wide-range AC power, it is ideal for enterprise, industrial, and OEM/ODM network deployments.

Application Scenarios



Industrial Edge Gateway



Firewall Appliance



Lightweight Virtualization



Industrial Automation

Processor	Product Collection	Intel 12th/13th Gen Processors	
	Sockets Supported	FCBGA1744	
	Memory type	2*DDR5 SO-DIMM	
Memory specifications	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
Storage specifications	SATA	1*SATA 3.0	
	M.2	2*M.2 Key-M 2280	
	PCIe	1*PCIe x8 (Gen4)	
Extension slots	M.2 Key-E	1*M.2 Key-E 2230 (PCIe+USB+CNVi Signal)	
	M.2 Key-E	1*M.2 Key-B 3052 (USB Signal)	
Interface	Front Panel	USB	2*USB-A 3.2
		Ethernet	6*RJ45
		Console	1*RJ45 COM
		Reserved	1*PCIe Expand port
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Reserved	4*Antenna hole
		Power	1*AC Sockrt
	Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan	
	System Specifications	Chassis Size	440*255*45 (mm)
Power Mode	Work Environment	Equipment Weight	3.80 KG; Package Weight 4.50 KG (including accessories)
		Temperature	0~50℃
		Humidity	5%~90% (Relative humidity, no condensation)



1U- DPS-1744NP -6L

Product Features

The 1U-DPS-1744NP-6L is a high-performance 1U rackmount network appliance for firewalls, routers, VPN gateways, edge computing, network security, and industrial gateway applications. Powered by Intel 12th/13th Gen FCBGA1744 processors, it supports dual DDR5 memory up to 96GB. With 6× RJ45 LAN, dual USB 3.2, RJ45 console, dual M.2 Key-M slots, PCIe x8 Gen4, Key-E and Key-B expansion, modular dual PSUs, and active cooling, it is ideal for high-reliability enterprise and industrial network deployments.

Application Scenarios



Network Infrastructure



Firewall Appliance



Lightweight Virtualization



Industrial Automation

Processor	Product Collection	Intel 12th/13th Gen Processors	
	Sockets Supported	FCBGA1744	
	Memory type	2*DDR5 SO-DIMM	
Memory specifications	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
	SATA	1*SATA 3.0	
Storage specifications	M.2	2*M.2 Key-M 2280	
	PCIe	1*PCIe x8 (Gen4)	
Extension slots	M.2 Key-E	1*M.2 Key-E 2230 (PCIe+USB+CNVi Signal)	
	M.2 Key-E	1*M.2 Key-B 3052 (USB Signal)	
	Interface	Front Panel	USB
Ethernet			6*RJ45
Console			1*RJ45 COM
Reserved			1*PCIe Expand port
Back Panel		Display	1*VGA/1*HD (Reserve)
		Antenna	2*Groups (Reserve)
		Power	2*AC power socket
		Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan
System Specifications	Chassis Size	440*410*45 (mm)	
	Weight	Equipment Weight 4.85 KG; Package Weight 6.50 KG (including accessories)	
Power Mode	Input: 80V~264V AC 47~63Hz Output: 200W MAX (Modular Dual PSU)		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

2U-B760-6L



Product Features

The 2U-1744NP-6L is a high-performance 2U rackmount network appliance for firewalls, routers, VPN gateways, network security, edge computing, and industrial gateway applications. Powered by Intel 12th/13th Gen FCBGA1744 processors, it supports dual DDR5 memory up to 96GB. With 6× RJ45 LAN, dual USB 3.2, RJ45 console, dual M.2 Key-M slots, PCIe x8 Gen4, Key-E and Key-B expansion, active cooling, dual AC power sockets, and wide-range AC input, it is ideal for enterprise, industrial, and OEM/ODM network deployments.

Application Scenarios



Network Infrastructure



Firewall Appliance



Lightweight Virtualization



Industrial Automation

Processor	Product Collection	Intel 12th/13th Gen Processors	
	Sockets Supported	FCBGA1744	
Memory specifications	Memory type	2*DDR5 SO-DIMM	
	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
Storage specifications	SATA	1*SATA 3.0	
	M.2	2*M.2 Key-M 2280	
Extension slots	PCIe	1*PCIe x8 (Gen4)	
	M.2 Key-E	1*M.2 Key-E 2230 (PCIe+USB+CNVi Signal)	
	M.2 Key-E	1*M.2 Key-B 3052 (USB Signal)	
Interface	Front Panel	USB	2*USB-A 3.2
		Ethernet	6*RJ45
		Console	1*RJ45 COM
		Reserved	1*PCIe Expand port
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2*Groups (Reserve)
		Power	2*AC power socket
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan		
System Specifications	Chassis Size	435*405*90 (mm)	
	Weight	Equipment Weight 6.40 KG; Package Weight 8.50 KG (including accessories)	
Power Mode	Input: 80V~264V AC 47~63Hz, Output: 200W MAX		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	