1356NP-20 -6L

Product Features

The 1356NP-20-6L is a high-performance embedded motherboard based on the Intel Kaby Lake-R platform. Powered by 8th Gen Intel Core processors, it integrates 6x 2.5GbE high-speed Ethernet ports, offering powerful network connectivity, flexible expansion capabilities, and industrial-grade reliability. It is an ideal hardware platform for industrial automation, network applications, and edge computing systems.

Application Scenarios

Cybersecurity

Network Management

Industrial Automation Control

Edge Computing

Processor	Product Collection	8th Generation Intel Core processors
	Sockets Supported	FCBGA1356
Memory specifications	Memory Type	DDR4 SO-DIMM
	Maximum Capacity	32GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	1*SATA 6Gb/s
	M.2	1*M.2 Key-M 2280 (PCIe signal)
Network features	Ethernet	6*2.5GbE
	Controller	6*Intel I226V
Extension interface	mPCIe	1*mPCIe (PCIe signal)
		1*mPCIe (USB2.0 signal, Support single-sided WiFi module)
Display functions	Pins	1*VGA/1*HDMI
	Chip	Intel UHD Graphics
Backplane I/O	USB	2*USB-A 3.0
	Console	1*RJ45 COM-RS232
	Ethernet	6*RJ45
	Button	1*Power button, 1*Reset 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
	Display	1*JVGA/1*JHDMI

	SIM	1*SIM Card solts
	Fan	1*CPU_FAN, 1*SYS_FAN
	Pins	1*F_PANEL
		1*J_COM
		3*F_USB 2.0 (can expand 6x USB2.0 ports)
		1*J_GPIO
Power supply mode	Power	1*ATX 12V 4-pin Connector or 1*Jack DC 12V
Motherboard size	Specification	180*200 (mm)
Work Environment	Temperature	-20~55℃
	Humidity	5%~90% (Relative humidity, no condensation)

OTS-1356NP-6L

Product Features

The OTS-1356NP-6L is a high-performance embedded network appliance powered by 8th Gen Intel Core processors. Featuring a compact metal chassis and 6x integrated 2.5GbE Ethernet ports, it delivers exceptional network performance and flexible system configuration. Designed for space-constrained environments, it provides robust hardware support for network security, edge computing nodes, and industrial control applications.

Application Scenarios

Cybersecurity

Network Management

Industrial Automation Control

Edge Computing

Processor	Product Collection	8th Generation Intel Core processors	
	Sockets Supported	FCBGA1356	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	2400 MT/s	
Storage specifications	SATA	1*SATA 6Gb/s	
	M.2	1*M.2 Key-M 2280 (PCIe signal)	
Interface	Front Panel	Ethernet	6*RJ45
		USB	2*USB-A 3.0
		Console	1*RJ45 COM
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2 Groups (Reserve)
		Power supply	1*Jack DC 5.5/2.5mm
Extension interface	mPCIe	1*mPCIe (PCIe signal)	
		1*mPCIe (USB2.0 signal, Support single-sided WiFi module)	
Cooling Method	Active Cooling, 1*CPU Fan		
System Specifications	Chassis Size	210*200*45 (mm)	
	Equipment Weight	Equipment Weight 1.25 KG; Package Weight 1.65 KG (including accessories)	
Power Mode	DC	12V 4A or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	

1U-1356NP-6L

Product Features

The 1U-1356NP-6L is a high-performance rackmount network and computing appliance designed for network security, virtualization, edge computing, and small to medium-sized data center applications. Featuring a standard 1U rackmount design, it is powered by 8th Gen Intel Core processors and integrates 6x front-panel 2.5GbE Ethernet ports. Supporting dual-channel DDR4 memory and NVMe SSD storage, along with wide-voltage power input and wide-temperature operation, it delivers the perfect balance of performance, efficiency, and flexibility.

Application Scenarios

Cybersecurity

Network Management

Industrial Automation Control

Edge Computing

Category	Subcategory		Specification
Processor	Product Collection		8th Generation Intel Core processors
	Sockets Supported		FCBGA1356
Memory specifications	Memory Type		DDR4 SO-DIMM
	Maximum Capacity		32GB
	Maximum Frequency		2400 MT/s
Storage specifications	SATA		1*SATA 6Gb/s
	M.2		1*M.2 Key-M 2280 (PCIe signal)
Interface	Front Panel	Ethernet	6*RJ45
		USB	2*USB-A 3.0
		Console	1*RJ45 COM
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2 Groups (Reserve)
		Power	1*AC power socket
Extension interface	mPCIe		1*mPCIe (PCIe signal)
			1*mPCIe (USB2.0 signal, Support single-sided WiFi module)
Cooling Method			Active Cooling, 1*CPU Fan, 2*Chassis Fan
System Specifications	Chassis Size		440*255*45 (mm)
	Equipment Weight		Equipment Weight 3.80 KG; Package Weight 4.50 KG (including accessories)
Power Mode			Input: 85V~264V AC 47~63 Hz, Output: DC 12V 4.2A
Work Environment	Temperature		0~50℃
	Humidity		5%~90% (Relative humidity, no condensation)

1U-DPS-1356NP-6L

Product Features

The 1U-DPS-1356NP-6L is a high-reliability 1U rackmount server designed for mission-critical applications. Powered by 8th Gen Intel Core processors, it features 6x front-panel 2.5GbE high-speed Ethernet ports and a modular dual-redundant power supply design. It is the ideal choice for building core network infrastructure, edge computing nodes, and high-availability enterprise systems.

Application Scenarios

- Cybersecurity
- Network Management
- Industrial Automation Control
- Edge Computing

Category	Subcategory	Specification	
Processor	Product Collection	8th Generation Intel Core processors	
	Sockets Supported	FCBGA1356	
Memory specifications	Memory Type	DDR4 SO-DIMM	
	Maximum Capacity	32GB	
	Maximum Frequency	2400 MT/s	
Storage specifications	SATA	1*SATA 6Gb/s	
	M.2	1*M.2 Key-M 2280 (PCIe signal)	
Interface	Front Panel	Ethernet	6*RJ45
		USB	2*USB-A 3.0
		Console	1*RJ45 COM
	Back Panel	Display	1*VGA/1*HD (Reserve)
		Antenna	2*Groups (Reserve)
		Power	2*AC power socket
Extension interface	mPCIe	1*mPCIe (PCIe signal)	
		1*mPCIe (USB2.0 signal, Support single-sided WiFi module)	
Cooling Method	Active Cooling, 1*CPU Fan, 2*Chassis Fan		
System Specifications	Chassis Size	440*410*45 (mm)	
	Equipment Weight	Equipment Weight 4.85 KG; Package Weight 6.50 KG (including accessories)	
Power Mode	Modular Dual power supply, Input: 85V~264V AC 47~63 Hz, Output: 50W MAX		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	