



1310NP-6L4S

Product Features

The 1310NP-6L4S is a motherboard designed for high-bandwidth networking, security, and edge computing applications. Powered by an Intel® Atom C-series processor, it features a hybrid network configuration with 6x Gigabit Ethernet ports and 4x 10G SFP+ optical ports. Supporting up to 64GB of DDR4 memory and equipped with a comprehensive range of expansion and storage interfaces, it provides a robust hardware foundation for next-generation network security appliances, virtualized servers, and data center edge gateways.

Application Scenarios



Cybersecurity



Edge IoT Gateway



Small Virtualization Platform



Embedded Solutions

Processor	Product Collection	Intel Atom Processor C Series
	Sockets Supported	FCBGA1310
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	64GB
Storage specifications	Maximum Frequency	2400 MT/s
	SATA	2*SATA 6Gb/s
Network features	M.2	1*M.2 Key-M 2280 SSD (PCIe Gen3 x2 rate)
	Ethernet	6*1GbE, 4*10Gb SFP+
Extension interface	Controller	4*Intel I350 (Optional ByPass), 2*Intel I211, 4*Intel X553
	PCIe	1*PCIe x8 (PCIe Gen3 x4 rate)
Display functions	M.2 Key-B	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
Backplane I/O	Pins	1*VGA_H
	Chip	Based on onboard ASPEED AST2400 chip
Onboard I/O	Ethernet	6*RJ45, 4*SFP+
	USB	1*USB-A 3.0, 3*USB-A 2.0
Power	Console	1*RJ45 COM RS232
	Power socket	1*ATX 4-pin Connector or 1*Jack DC 5.5/2.5mm
SATA	SATA	2*SATA Data connector, 2*SATA Power socket
	Pins	1*F_PANEL

	1*JCOM
	1*F_USB 2.0
	1*JPS/2
	1*JCPLD, 1*JGPIO
	1*LED_LAN
	1*VGA_H
Fan	1*CPU_FAN, 2*SYS_FAN
Power supply mode	DC 12V
Motherboard size	Specification 280 mm*209 mm
Work Environment	Temperature 0°C~50°C; Humidity 5%~90% (Relative humidity, no condensation)



1U-1310NP-6L4S

Product Features

The 1U-1310NP-6L4S is a high-performance network and security computing platform powered by Intel® Atom C-series processors, designed for network security, virtualization, storage gateways, and edge computing scenarios. Featuring a standard 1U rackmount design, it integrates high-density network interfaces with flexible expansion options, delivering an ideal solution for enterprises and data centers to build efficient, secure, and reliable IT infrastructure.

Application Scenarios



Cybersecurity



Edge IoT Gateway



Small Virtualization Platform



Network Server

Processor	Product Collection	Intel Atom Processor C Series
	Sockets Supported	FCBGA1310
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	64GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	1*M.2 Key-M 2280 SSD
	USB	1*USB-A 3.0, 1*USB-A 2.0,
Interface	Front Panel	Ethernet 6*RJ45, 4*SFP+
	Console	1*RJ45 COM
	Reserved	1*PCIe Expansion Baffle
	Display	1*VGA
Back Panel	Reserved	4*Antenna hole
	Power	1*AC Sockrt
Extension slots	PCIe	1*PCIe x8 (PCIe Gen3 x4 rate)
	M.2 Key-B	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan	
System Specifications	Chassis Size	440*255*45 (mm)
	Weight	Equipment Weight 3.80 KG; Package Weight 4.50 KG (including accessories)
Power Mode	Input: 100V~240V AC 50/60Hz, Output: 75W MAX	
Work Environment	Temperature	0~50°C
	Humidity	5%~90% (Relative humidity, no condensation)



2U-1310NP-6L4S

Product Features

The 2U-1310NP-6L4S is a high-performance network and security computing platform powered by Intel® Atom C-series processors. With its standard 2U rackmount design, it delivers robust hardware support for high-bandwidth networking, security, virtualization, and edge computing. Combining a high port density with strong scalability and stability, it is well-suited to meet the demanding requirements of enterprise data centers and carrier-grade applications.

Application Scenarios



Cybersecurity



Edge IoT Gateway



Small Virtualization Platform



Network Server

Processor	Product Collection	Intel Atom Processor C Series
	Sockets Supported	FCBGA1310
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	64GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	1*M.2 Key-M 2280 SSD
	USB	1*USB-A 3.0, 1*USB-A 2.0,
Interface	Front Panel	Ethernet 6*RJ45, 4*SFP+
	Console	1*RJ45 COM
	Reserved	1*PCIe Expansion Baffle
	Display	1*VGA
Back Panel	Reserved	4*Antenna hole
	Power	1*AC Sockrt
Extension slots	PCIe	1*PCIe x8 (PCIe Gen3 x4 rate)
	M.2 Key-B	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
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: 100V~240V AC 50/60Hz, Output: 75W MAX	
Work Environment	Temperature	0~50°C
	Humidity	5%~90% (Relative humidity, no condensation)

1U- DPS-1310NP- 6L4S



Product Features

The 1U-DPS-1310NP-6L4S is a high-reliability network and security computing platform powered by Intel® Atom C-series processors in a 1U rackmount design. It incorporates a modular dual power supply with redundancy to ensure high availability and business continuity for mission-critical applications. This platform is ideally suited for data centers and carrier-grade environments with stringent requirements for power stability and system reliability.

Application Scenarios



Cybersecurity



Edge IoT Gateway



Small Virtualization Platform



Network Server

Processor	Product Collection	Intel Atom Processor C Series
	Sockets Supported	FCBGA1310
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	64GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	1*M.2 Key-M 2280 SSD
	USB	1*USB-A 3.0, 1*USB-A 2.0,
Interface	Front Panel	Ethernet 6*RJ45, 4*SFP+
	Console	1*RJ45 COM
	Reserved	1*PCIe Expansion Baffle
	Display	1*VGA
Back Panel	Reserved	4*Antenna hole
	Power	1*AC Sockrt
Extension slots	PCIe	1*PCIe x8 (PCIe Gen3 x4 rate)
	M.2 Key-B	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
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	Modular Dual power supply	
	Input: 100V~240V AC 50/60Hz, Output: 75W MAX	
Work Environment	Temperature	0~50°C
	Humidity	5%~90% (Relative humidity, no condensation)

OTS-1310NP -6L4S



Product Features

The OTS-1310NP-6L4S is a high-performance network security platform based on Intel Atom C-series processors. It features a hybrid network interface with 6×2.5GbE RJ45 ports and 4×10Gb SFP+ ports, integrating PCIe 3.0 expansion, M.2 Key-B, an mPCIe interface, and dual SIM card slots. It demonstrates exceptional flexibility and reliability in high-throughput data transmission, virtual network isolation, and multi-link communication management. It is specifically designed for enterprise-level scenarios such as firewalls, UTM, VPNs, SD-WAN, virtualization gateways, and edge computing nodes.

Application Scenarios



Cybersecurity



Edge IoT Gateway



Small Virtualization Platform



Network Server

Processor	Product Collection	Intel Atom Processor C Series
	Sockets Supported	FCBGA1310
Memory specifications	Memory Type	DDR4 SODIMM
	Maximum Capacity	2*32GB
	Maximum Frequency	2400 MT/s
Storage specifications	SATA	2*SATA 6Gb/s
	M.2	1*M.2 Key-M 2280 SSD
	USB	1*USB-A 3.0, 1*USB-A 2.0,
Interface	Ethernet	6*RJ45, 4*SFP+
	Console	1*RJ45 COM
	Reserved	1*PCIe Expansion Baffle
	Display	1*VGA
Back Panel	Reserved	4*Antenna hole
	SIM	2*SIM Card slots
	USB	2*USB-A 2.0,
	Power	1*Jack DC 5.5/2.5mm
Extension slots	PCIe	1*PCIe x8 (PCIe Gen3 x4 rate)
	M.2 Key-B	1*M.2 Key-B 3052 (USB3.0 Signal)
	mPCIe	1*mPCIe (PCIe/USB Signal)
Cooling Method	Active Cooling, 1*CPU Fan	
System Specifications	Chassis Size	330*215*45 (mm)
	Equipment Weight	Equipment Weight 3.65 KG; Package Weight 4.50 KG (including accessories)
Power Mode	Input: 100V~240V AC 50/60Hz, Output: 12V 7A	
Work Environment	Temperature	0~50°C
	Humidity	5%~90% (Relative humidity, no condensation)