



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 |
| | Maximum Frequency | 2400 MT/s |
| Storage specifications | SATA | 2*SATA 6Gb/s |
| | M.2 | 1*M.2 Key-M 2280 SSD (PCIe Gen3 x2 rate) |
| Network features | Ethernet | 6*1GbE, 4*10Gb SFP+ |
| | Controller | 4*Intel I350 (Optional ByPass), 2*Intel I211, 4*Intel X553 |
| Extension interface | 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) |
| Display functions | Pins | 1*VGA_H |
| | Chip | Based on onboard ASPEED AST2400 chip |
| Backplane I/O | Ethernet | 6*RJ45, 4*SFP+ |
| | USB | 1*USB-A 3.0, 3*USB-A 2.0 |
| | Console | 1*RJ45 COM RS232 |
| | Power socket | 1*ATX 4-pin Connector or 1*Jack DC 5.5/2.5mm |
| Onboard I/O | 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℃~50℃; |
| | 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 | | |
| Interface | | USB | 1*USB-A 3.0, 1*USB-A 2.0, | |
| | | | | |
| | 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℃ | | |
| | 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 | |
| Interface | Front Panel | USB | 1*USB-A 3.0, 1*USB-A 2.0, |
| | | Ethernet | 6*RJ45, 4*SFP+ |
| | | Console | 1*RJ45 COM |
| | Back Panel | Reserved | 1*PCle Expansion Baffle |
| | | Display | 1*VGA |
| | | Reserved | 4*Antenna hole |
| | Power | Power | 1*AC Sockrt |
| | | PCle | 1*PCle x8 (PCle Gen3 x4 rate) |
| Extension slots | M.2 Key-B | 1*M.2 Key-B 3052 (USB3.0 Signal) | |
| | mPCle | 1*mPCle (PCle/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℃ | |
| | 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 | |
| Interface | Front Panel | USB | 1*USB–A 3.0, 1*USB–A 2.0, |
| | | Ethernet | 6*RJ45, 4*SFP+ |
| | | Console | 1*RJ45 COM |
| | | Reserved | 1*PCIe Expansion Baffle |
| | Back Panel | Display | 1*VGA |
| | | 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℃ | |
| | 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 | |
| Interface | Front Panel | USB | 1*USB–A 3.0, 1*USB–A 2.0, |
| | | Ethernet | 6*RJ45, 4*SFP+ |
| | | Console | 1*RJ45 COM |
| | | Reserved | 1*PCIe Expansion Baffle |
| | Back Panel | Display | 1*VGA |
| | | 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℃ | |
| | Humidity | 5%~90% (Relative humidity, no condensation) | |