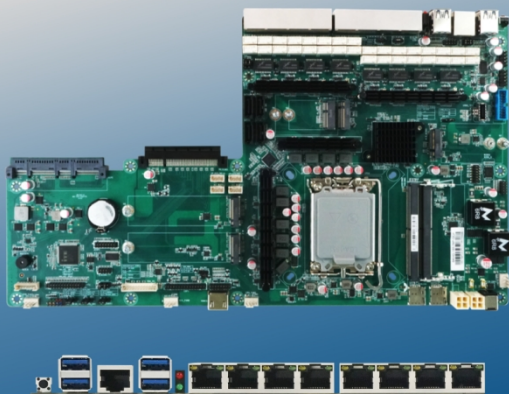




1851NP-OCP

Product Features

The 1851NP-OCP is a high-performance industrial network motherboard based on Intel Core Ultra Processors Series 2 and the FCLGA1851 socket. Designed for next-generation firewalls, routers, security appliances, edge computing, industrial gateways, and AI-enabled network systems, it supports up to 96GB DDR5 memory and 8x Intel I226V 2.5GbE LAN ports. With SATA, dual M.2 SSD, PCIe x8, OCP, M.2 Key-E/B, optional bypass, dual SIM, TPM, rich USB/I/O headers, it provides strong expansion for professional network and edge deployments.

Application Scenarios



Enterprise Firewall Appliance



Multi-WAN Gateway



Network Security Appliance



Virtualization Server

Processor	Product Collection	Intel Core Ultra Processors (Series 2)
	Sockets Supported	FCLGA1851
Memory specifications	Memory Type	2*DDR5 SODIMM
	Maximum Capacity	96GB
	Maximum Frequency	6400 MT/s
Storage specifications	SATA	4*SATA 6Gb/s
	M.2 SSD	1*M.2 Key-M (PCIe x4), 1*M.2 Key-M (PCIe x1)
Network features	Ethernet	8*2.5GbE
		8*Intel I226V
	Controller	Optional 4 x Bypass segments (i226-LM)
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	OCP	1*PCIe x16
	M.2 Key-E	1*M.2 Key-E 2230 (PCIe/USB2.0 Signal)
	M.2 Key-B	2*M.2 Key-B 3052 (USB3.0 Signal)
Display functions	Pin Header	1*VGA, 1*HD, 1*eDP
	Chip	Intel Graphics (Depends on the processor)
Backplane I/O	Ethernet	8*RJ45
	USB	4*USB-A 3.0
	Console	1*RJ45 COM RS232
	Button	1*Power Button
	SIM	2*SIM Card Slots
	Power socket	2*ATX 4-pin Connector or 1*Jack DC 5.5/2.5mm
Onboard I/O	SATA	4*SATA Data connector, 4*SATA

		Power socket
	USB	1*USB Type-E
	Fan	1*CPU_FAN, 3*SYS_FAN
	Pins	1*F_PANEL
		1*J_COM
		2*F_USB 2.0, 1*F_USB 3.0
		1*TPM
		1*LPT
		1*PS/2
Power supply mode	DC	19V~24V
Motherboard size	Specification	375*220 (mm)
Work Environment	Temperature	0℃~60℃;
	Humidity	0%~90% (Relative humidity, no condensation)



1U-1851NP-OCP-8L

Product Features

The 1U-1851NP-OCP-8L is a high-performance 1U rackmount network appliance based on Intel Core Ultra Processors Series 2 and the FCLGA1851 socket. Designed for firewalls, routers, network security, edge computing, industrial gateways, and AI-enabled network systems, it supports up to 96GB DDR5 memory and 8x RJ45 LAN ports. With SATA, dual M.2 SSD, PCIe x8, OCP PCIe x16, M.2 Key-E/B expansion, USB 3.0 and wide-range AC input with PFC, it is ideal for enterprise, industrial edge, and OEM/ODM network deployments.

Application Scenarios



Enterprise Firewall Appliance



Multi-WAN Gateway



Network Security Appliance



Virtualization Server

Processor	Product Collection	Intel Core Ultra Processors (Series 2)	
	Sockets Supported	FCLGA1851	
Memory specifications	Memory Type	2*DDR5 SODIMM	
	Maximum Capacity	96GB	
	Maximum Frequency	6400 MT/s	
Storage specifications	SATA	4*SATA 6Gb/s	
	M.2 SSD	2*M.2 Key-M	
Extension slots	PCIe	1*PCIe x8 (x4 rate)	
	OCP	1*PCIe x16	
	M.2 Key-E	1*M.2 Key-E 2230	
	M.2 Key-B	2*M.2 Key-B 3052	
Interface	Front Panel	USB	4*USB-A 3.0
		Ethernet	8*RJ45
		Console	1*RJ45 COM
		Reserved	2*PCIe Expand port
	Back Panel	Display	1*VGA
		Reserved	2*Antenna hole
		Button	1* Power button
		Power	1*AC Sockrt
Cooling Method	Active Cooling, 1*CPU Fan/2*Chassis Fan		
System Specifications	Chassis Size	440*255*45 (mm)	
	Weight	Equipment Weight 3.65 KG; Package Weight 4.50 KG (including accessories)	
Power Mode	80V~264V AC input with PFC, Output: DC 24V		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	



1U-DPS- 1851NP-OCP-8L

Product Features

The 1U-DPS-1851NP-OCP-8L is a high-performance 1U rackmount network appliance based on Intel Core Ultra Processors Series 2 and the FCLGA1851 socket. Designed for next-generation firewalls, network security, edge computing, industrial gateways, and AI-enabled network applications, it supports up to 96GB DDR5 memory. With 8× RJ45 LAN, SATA, dual M.2 SSD, PCIe x8, OCP PCIe x16, M.2 Key-E/B expansion, active cooling, and modular dual PSUs with 85V~264V AC input, it is ideal for reliable enterprise, industrial, and OEM/ODM deployments.

Application Scenarios



Enterprise Firewall Appliance



Multi-WAN Gateway



Network Security Appliance



Virtualization Server

Processor	Product Collection	Intel Core Ultra Processors (Series 2)	
	Sockets Supported	FCLGA1851	
Memory specifications	Memory Type	2*DDR5 SODIMM	
	Maximum Capacity	96GB	
	Maximum Frequency	6400 MT/s	
Storage specifications	SATA	4*SATA 6Gb/s	
	M.2 SSD	2*M.2 Key-M	
Extension slots	PCIe	1*PCIe x8 (x4 rate)	
	OCP	1*PCIe x16	
	M.2 Key-E	1*M.2 Key-E 2230	
	M.2 Key-B	2*M.2 Key-B 3052	
Interface	Front Panel	USB	4*USB-A 3.0
		Ethernet	8*RJ45
		Console	1*RJ45 COM
		Reserved	2*PCIe Expand port
	Back Panel	Display	1*VGA
		Reserved	2*Antenna hole
		Button	1* Power button
		Power	1*AC Sockrt
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: 85V~264V AC 47~63 Hz, Output: 300W MAX		
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	