1264L-NAS

Product Features

The 1264L-NAS is a Mini-ITX motherboard designed for storage servers, network security, and edge computing applications. Powered by an Intel N-series processor, it integrates 6x SATA storage interfaces, dual 2.5GbE and single 10GbE hybrid networking, and diverse expansion capabilities, providing a high-performance, low-power network storage and computing platform for small businesses and individuals. Its compact design and wide operating temperature range make it suitable for home NAS and SMB file servers, as well as for data center edge nodes and industrial IoT environments.

Application Scenarios

NAS and File Servers

IoT Gateways

Monitoring systems

Development Testing

Category	Item	Specification
Processor	Product Collection	Intel® Processor N-series
	Sockets Supported	FCBGA1264
Memory specifications	Memory type	DDR5 SO-DIMM
	Maximum capacity	16GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	6*SATA 3.0 [ASM1166 (PCIe x2 to 6*SATA)]
	M.2	2*M.2 Key-M 2280 (PCIe Gen3 x1)
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	mPCIe	1*mPCIe (USB 2.0 signal)
Network features	Ethernet	2*2.5GbE+1*10GbE
	Controller	2*Intel I226V+1*Marvell AQC113
Display functions	Onboard	1*DP/1*HD/1*USB-C
I/O Chip	Chip	IT8613E
Backplane I/O	USB	2*USB-A 2.0/1*USB-A 3.0/1*USB-C
	Display	1*DP/1*HD/1*USB-C
	LAN	3*RJ45
	Power supply	1*ATX 24-pin, 1*ATX 4-pin
	Storage	TF Card slot
Onboard I/O	SATA	6*7-pin SATA data connector
	Pins	1*F_PANEL, 1*JGPIO

		1*F_USB1 (can expand 2x USB2.0 ports)
		1*J_COM (RS232)
		1*TPM
	Fan	2*SYS_FAN, 1*CPU_FAN
Power connector		1*ATX 12V 24-pin, 1*ATX 12V 4-pin
Motherboard size	Specification	170 mm*170 mm (Mini-ITX)
Work Environment	Temperature	Working: 0℃~60℃; Storage: -20℃~75℃;
	Humidity	0%~95% (Relative humidity, no condensation)

1264L-6-BAY NAS

Product Features

The 1264L-6-BAY NAS is a network storage server platform designed for small and medium-sized enterprises (SMEs) and professional users. It features an Intel N-series low-power processor, supports DDR5 memory, and offers a variety of storage expansion options. With six hot-swappable drive bays and dual M.2 SSD slots, it easily creates a high-performance NAS system that meets the needs of file sharing, data backup, and multimedia applications. While it's ideal for home offices, it can also be widely used in enterprise-level data storage and edge computing scenarios.

Application Scenarios

NAS and File Servers

IoT Gateways

Monitoring systems

Multimedia Center

Processor	Product Collection	Intel® Processor N-series
	Sockets Supported	FCBGA1264
Memory specifications	Memory type	DDR5 SO-DIMM
	Maximum capacity	16GB
	Maximum frequency	4800 MT/s
Storage specifications	M.2	2*M.2 Key-M 2280 (PCIe Gen3 x1)
	SATA	Up to 6*SATA 6Gb/s
Extension interface	PCIe	1*PCIe x8 (x4 rate)
	mPCIe	1*mPCIe (USB 2.0 signal)
Interface	Front Panel	Button	1*Power On or Restart
		Storage	6*Hot Swap HDD Bay
		USB	2*USB-A 2.0
	Back Panel	Ethernet	3*RJ45
		USB	1*USB-C/1*USB-A 3.0/2*USB-A 2.0
		Display	1*HD/1*DP/1*USB-C
Cooling Method		Active Cooling, 1*CPU Fan/2*Chassis Fan
System Specifications	Chassis Size	250*260*210 (mm)
	Weight	Equipment Weight 5.1KG; Package Weight 6.3KG (including accessories)
Power Mode		Input: 100V~240V AC 50~60 Hz
Work Environment	Temperature	0~50℃
	Humidity	5%~90% (Relative humidity, no condensation)