



Q670-NAS-MB

Product Features

The Q670-NAS-MB is a high-performance Mini-ITX NAS motherboard based on the Intel Q670 chipset, compatible with 12th–14th Gen Intel Core, Pentium, and Celeron processors. It supports dual-channel DDR5 memory, 8x SATA 6Gb/s ports, 2x M.2 NVMe slots, and 4x 2.5GbE interfaces. Combining powerful computing, large storage capacity, and enterprise-level networking, it is ideal for NAS systems, home servers, edge computing, and industrial control applications.

Application Scenarios



Enterprise NAS Server



Home Media Server



Small Virtualization Platform



Edge Computing Nodes

Processor	Product Collection	Intel 12th/13th/14th Gen Processor
	Sockets Supported	FCLGA1700
Memory specifications	Memory type	2*DDR5 SO-DIMM
	Maximum capacity	2*48GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	8*SATA 3.0
	M.2	2*M.2 Key-M 2280 (1*PCIe Gen4 x4/1*PCIe Gen3 x4)
Network features	Ethernet	4*2.5GbE
	Controller	3*Intel I226V / 1*Intel I226LM (LAN3)
Extension interface	PCIe	1*PCIe (Gen4 x4)
Display functions	Port	1*DP/1*HD
	Chip	Depends on the processor
Backplane I/O	USB	4*USB-A 3.2
	Display	1*DP/1*HD
	LED	PWR LED/HDD LED
	LAN	4*RJ45
	Audio	1*Combo jack 3.5 mm connector
Onboard I/O	SATA	8*7-pin SATA 6Gb/s data connector
	USB	1*USB-A 2.0
	Fan	1*SYS_FAN/1*CPU_FAN

	Pins	1*F_PANEL
		2*F_USB 2.0/1*F_USB 3.0
		1*J_COM (RS232)
		1*JP3 (Enable and disable Auto power on)
Power supply mode	ATX 24-PIN+4-PIN	
Motherboard size	Specification	170 mm*170 mm (Mini-ITX)
Work Environment	Temperature	Working: 0℃~60℃; Storage: -20℃~60℃;
	Humidity	0%~90% (Relative humidity, no condensation)



Q670-6-BAY NAS

Product Features

The Q670-6-BAY-NAS is a high-performance, scalable, and enterprise-grade network storage server. Supporting the latest 12th/13th/14th Gen Intel processors, it features DDR5 high-speed memory, 6x hot-swappable drive bays, four 2.5GbE network ports, and a PCIe Gen4 expansion slot. Designed for data-intensive, always-on workloads, it is ideal for small and medium-sized businesses, home data centers, and edge computing environments, supporting virtualization, file sharing, data backup, and multi-user cloud storage.

Application Scenarios



Enterprise NAS Server



Home Media Server



Small Virtualization Platform



Edge Computing Nodes

Processor	Product Collection	Intel 12th/13th/14th Gen Processor	
	Sockets Supported	FCLGA1700	
Memory specifications	Memory type	2*DDR5 SO-DIMM	
	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
Storage specifications	SATA	Up to 6*SATA 6Gb/s	
	M.2	2*M.2 Key-M SSD	
Extension interface	PCIe	1*PCIe (Gen4 x4)	
Interface	Front Panel	Button	1*Power On or Restart
		Storage	6*Hot Swap HDD Bay
		USB	2*USB-A 2.0
	Back Panel	Ethernet	4*RJ45
		USB	4*USB-A 3.0
		Display	1*HD/1*DP
		Audio	1*Combo jack 3.5 mm connector
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	AC, 100V~240V AC 50/60Hz		
Work Environment	Temperature	0~50℃	
	Humidity	5%~95% (Relative humidity, no condensation)	



Q670-8-BAY NAS

Product Features

The Q670-8-BAY-NAS is an enterprise-class network storage server designed for business and professional users. Built on the powerful Intel Q670 platform, it supports 12th–14th Gen Intel processors, dual-channel DDR5 memory, 8x hot-swappable drive bays, dual M.2 NVMe slots, 4x 2.5GbE network ports, and PCIe Gen4 expansion. Combining high computing performance, massive storage capacity, and multi-user collaboration, it is ideal for enterprise NAS, home data centers, and edge computing environments.

Application Scenarios



Network Security Gateway



Edge IoT Gateway



Small Virtualization Platform



Embedded Solutions

Processor	Product Collection	Intel 12th/13th/14th Gen Processor	
	Sockets Supported	FCLGA1700	
Memory specifications	Memory type	2*DDR5 SO-DIMM	
	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
Storage specifications	SATA	Up to 8*SATA 6Gb/s	
	M.2	2*M.2 Key-M SSD	
Extension interface	PCIe	1*PCIe (Gen4 x4)	
Interface	Front Panel	Button	1*Power On or Restart
		Storage	8*Hot Swap HDD Bay
		USB	2*USB-A 3.0
	Back Panel	Ethernet	4*RJ45
		USB	4*USB-A 3.0
		Display	1*HD/1*DP
		Audio	1*Combo jack 3.5 mm connector
Cooling Method	Active Cooling, 1*CPU Fan/3*Chassis Fan		
System Specifications	Chassis Size	310*305*220 (mm)	
	Weight	Equipment Weight 8.1KG; Package Weight 9.1KG (including accessories)	
Power Mode	AC, 100V~240V AC 50/60Hz		
Work Environment	Temperature	0~50℃	
	Humidity	5%~95% (Relative humidity, no condensation)	