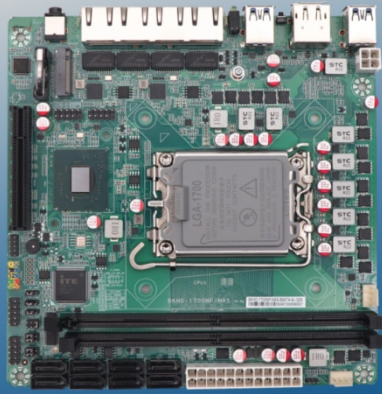




1700NP-NAS

Product Features

The BKHD 1700NP-NAS is a compact NAS-oriented embedded motherboard designed for network storage, private cloud servers, edge storage appliances, and customized storage systems. Based on Intel 12th/13th/14th Gen processors with the FCLGA1700 socket, it supports dual DDR5 SO-DIMM up to 96GB, eight SATA 3.0 ports, and one M.2 Key-M PCIe Gen4 x4 NVMe slot. Equipped with four Intel I226V 2.5GbE ports, PCIe 5.0 x8 expansion, Mini PCIe, TPM 2.0, and rich I/O interfaces, it provides a flexible platform for high-performance NAS, data servers, and OEM storage 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 type	2*DDR5 DIMM
Memory specifications	Maximum capacity	2*48GB
	Maximum frequency	4800 MT/s
Storage specifications	SATA	8*SATA 3.0
	M.2	1*M.2 Key-M 2280 (PCIe Gen4 x4)
Network features	Ethernet	4*2.5GbE
	Controller	4*Intel I226V
Extension interface	PCIe	1*PCIe x8 (PCIe 5.0 x8 signal)
	mPCIe	1*mPCIe (USB3.0+PCIe x1 signal)
Display functions	Ports	1*HD/1*DP
	Chip	Intel Graphics (Depends on the processor)
Backplane I/O	USB	4*USB-A 3.0
	Display	1*DP/1*HD
	Button	1*Clear CMOS button
	Ethernet	4*RJ45
Onboard I/O	Audio	1*3.5mm Audio Jack
	SATA	8*SATA Data connector
	Fan	1*CPU_FAN, 1*SYS_FAN
	SIM	1*SIM card slot
Pins		1*F_PANEL
		2*J_COM
		2*F_USB 2.0 (can expand 4x USB2.0 ports)
		1*J_GPIO
		1*J_TPM 2.0
Power supply mode	Power Connector	1*ATX 24-pin, 1*ATX 4-pin
Motherboard size	Specification	170*170 (mm)
Work Environment	Temperature	0~50℃ (Operating); -20℃~60℃

	(Storage)
Humidity	5%~95% (Relative humidity, no condensation)



1700NP-6-BAY NAS

Product Features

The BKHD 1700NP-6-BAY NAS is a high-performance network storage system powered by Intel 12th–14th Gen FCLGA1700 processors. Designed for NAS, private cloud, backup, virtualization, and edge storage, it supports up to 96GB DDR5 memory, 8× SATA, 6× hot-swap HDD bays, and PCIe Gen4 NVMe storage. With 4× 2.5GbE LAN, PCIe 5.0 x8 expansion, Mini PCIe, active cooling, and integrated AC power, it provides a flexible platform for professional and small business storage 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	1*M.2 Key-M 2280 (PCIe Gen4 x4)	
Network features	Ethernet	4*2.5GbE	
	Controller	4*Intel I226V	
Extension interface	PCIe	1*PCIe x8 (PCIe 5.0 x8 signal)	
	mPCIe	1*mPCIe (USB3.0+PCIe x1 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	4*RJ45
		USB	4*USB-A 3.2
		Display	1*HD/1*DP
		Audio	3.5mm Jack Audio
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)	

1700NP- 8-BAY NAS



Product Features

The BKHD 1700NP-8-BAY NAS is a high-capacity storage system powered by Intel 12th–14th Gen FCLGA1700 processors. Designed for NAS, private cloud, backup, virtualization, surveillance, and edge storage, it supports up to 96GB DDR5 memory, 8× hot-swap SATA bays, and dual M.2 SSDs. With 4× Intel I226V 2.5GbE LAN, PCIe 5.0 x8 and Mini PCIe expansion, active cooling, and integrated AC power, it provides a scalable platform for professional and SMB storage applications.

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 type	2*DDR5 SO-DIMM	
Memory specifications	Maximum capacity	2*48GB	
	Maximum frequency	4800 MT/s	
	Storage specifications	SATA	8*SATA 3.0
Network features	Controller	Ethernet	4*2.5GbE
			4*Intel I226V
Extension interface	PCIe	1*PCIe x8 (PCIe 5.0 x8 signal)	
	mPCIe	1*mPCIe (USB3.0+PCIe x1 signal)	
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 3.2
		Display	1*HD/1*DP
		Audio	3.5mm Jack Audio
	Cooling Method	Active Cooling, 1*CPU Fan/3*Chassis Fan	
	System Specifications	Chassis Size	310*305*220 (mm)
Power Mode	Weight	Equipment Weight 8.1KG; Package Weight 9.1KG (including accessories)	
Work Environment	Temperature	0~50℃	
	Humidity	5%~95% (Relative humidity, no condensation)	