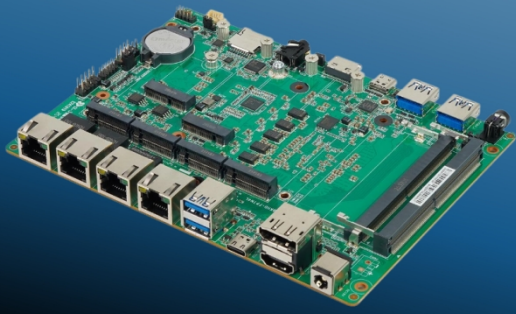




BKHD-FP7N4L

Product Features

The FP7N4L-MB is a high-performance embedded motherboard based on the AMD Ryzen 7000 / 8000 Series FP7 platform, designed for next-generation high-speed networking, edge computing, storage acceleration, and multi-service convergence. In a compact form factor, it integrates dual 10GbE and dual 2.5GbE Ethernet ports, supports dual-channel DDR5 memory, and offers multiple M.2 storage options with rich expansion interfaces. Delivering an optimal balance of compute power, bandwidth, and scalability, it serves as a core platform for edge servers, high-speed network appliances, professional workstations, and AI computing nodes.

Application Scenarios



Network Nodes



Storage Workstations



Edge Computing



Virtualization Platforms

Processor	Product Collection	AMD Ryzen 7000/8000 Series (Zen 4)
	Sockets Supported	FP7
Memory specifications	Memory Type	DDR5 SO-DIMM
	Maximum Capacity	64GB
	Maximum Frequency	5600 MT/s
Storage specifications	M.2	1*M.2 Key-M 2280 (PCIe x4), 3*M.2 Key-M 2280 (PCIe x2)
Network features	Ethernet	2*2.5GbE, 2*10GbE
	Controller	2*Intel I226V, 2*Marvell AQC113
Extension interface	M.2 Key-E	1*M.2 Key-E 2230 (PCIe lanes)
	M.2 Key-B	1*M.2 Key-B 3052 (USB 3.1+USB2.0 Signal)
Display functions	Port	1*DP/1*HD
	Chip	AMD Radeon Integrated graphics card
Backplane I/O	Ethernet	4*RJ45
	USB	4*USB-A 3.2 (10Gbps), 2*USB-C 4 (40Gbps)
	Display	1*DP/1*HD
	Power supply	1*Jack DC 5.5/2.5mm
	Button	1*Power button, 1*Reset button
	OCuLink	1*OCuLink (PCIe x4)
	Audio	1*Combo Audio Jack 3.5mm
	SIM	1*SIM Card slot

Onboard I/O	TF	1*TF Card slot
	Fan	1*CPU_FAN/1*SYS_FAN
	Pin	1*F_USB2.0
		1*F_PANEL
		1*J_COM
		1*J_GPIO
Power supply mode	DC	19V 6.32A Or Higher
Motherboard size	Specification	125*168 (mm)
Work Environment	Temperature	Operating: 0~60℃; Storage: -20℃~75℃
	Humidity	5%~95% (Relative humidity, no condensation)



H16-FP7N4L

Product Features

The H16-FP7N4L is a high-performance compact embedded system built on the AMD Ryzen 7000 / 8000 Series (Zen 4) platform. It integrates hybrid 2.5GbE and 10GbE networking, supports dual-channel DDR5 memory, and offers four all-flash storage interfaces with rich expansion—all within a fanless, compact chassis. Designed for enterprise, professional studio, and research environments that demand high performance, absolute silence, and space-efficient deployment, it delivers powerful computing in a truly silent form.

Application Scenarios

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Network Nodes
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Storage Workstations
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Edge Computing
- 

Virtualization Platforms

Processor	Product Collection	AMD Ryzen 7000/8000 Series	
	Sockets Supported	FP7	
Memory specifications	Memory Type	DDR5 SO-DIMM	
	Maximum Capacity	64GB	
	Maximum Frequency	5600 MT/s	
Storage specifications	M.2	4*M.2 Key-M 2280	
Network features	Ethernet	2*2.5GbE, 2*10GbE	
	Controller	2*Intel I226V, 2*Marvell AQC113	
Interface	Front Panel	Ethernet	4*RJ45
		USB-A	2*USB-A 3.0
		USB-C	1*USB-C 4.0
		Display	1*DP/1*HD
		Power	1*Jack DC_IN
		Antenna hole	4*Reserved
		Button	1*Start or Restart
	Back Panel	USB-A	2*USB-A 3.0
		USB-C	1*USB-C 4.0
		OCuLink	1*OCuLink
		Audio	1*Audio Jack
		SIM	1*SIM Card slot
		TF	1*TF Card slot
		Fan	1*SYS_FAN socket
Extension interface	M.2	1*M.2 Key-E 2230, 1*M.2 Key-B 3052	
Cooling Method	Passive Cooling, Fanless (Need air flow)		
	Chassis Size	200*130*54 (mm)	
System Specifications		Equipment Weight 1.15 KG; Package	
	Weight	Weight 1.85 KG (including accessories)	
Power Mode	DC	19V 6.32A Or Higher	
Work Environment	Temperature	0~50℃	
	Humidity	5%~90% (Relative humidity, no condensation)	