

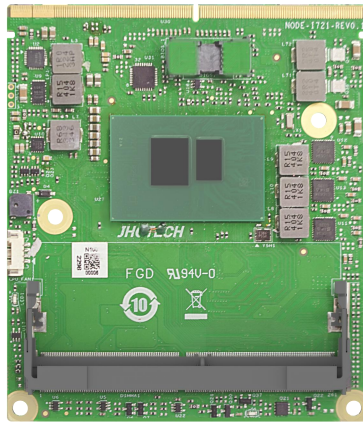
NODE-I721

Intel Alder lake-N CPU module, Designed in accordance with JHCTECH
NODE Type 1 design specifications, supports DDR5 4800 MHz,
up to 16GB. DC IN 12V.

JHCTECH

IoT Computer
Connecting the Dots

NODE Core Module



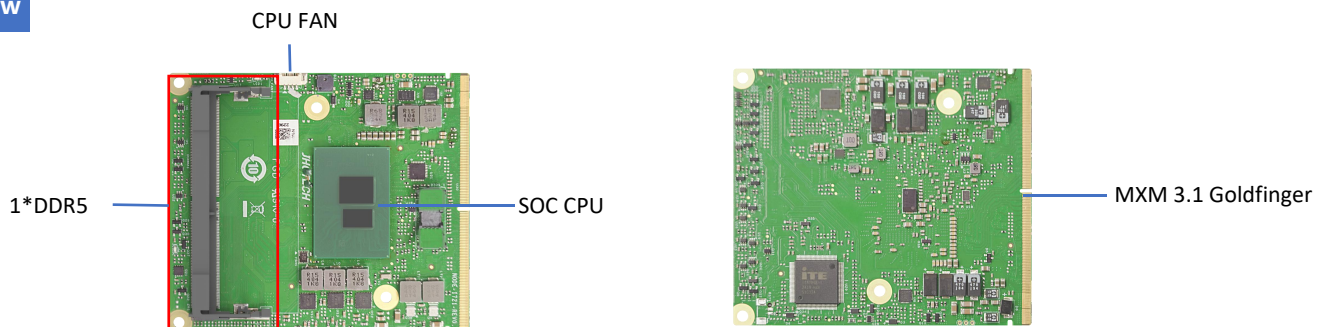
Key Features

- Intel Alder lake-N CPU module
- Single-channel DDR5 4800MHz, up to 16GB
- 2*DDI output, 1*eDP
- 3*PCIeX1, 2*SATA3.0 or 2*PCIeX1
- 4*USB3.2 or 1*PCIeX4, 8*USB2.0, 1*HDA, 4*UART, GPIO, 1*eSPI
- DC IN 12V

Description

NODE-I721 powered by Intel Alder lake-N CPU, supports single-channel DDR5 4800MHz memory, up to 16GB. The size of the motherboard module is thin and small, which is an economical product with low power consumption and flexible expansion, suitable for industrial automation, security, environmental protection, logistics and warehousing management applications.

I/O View

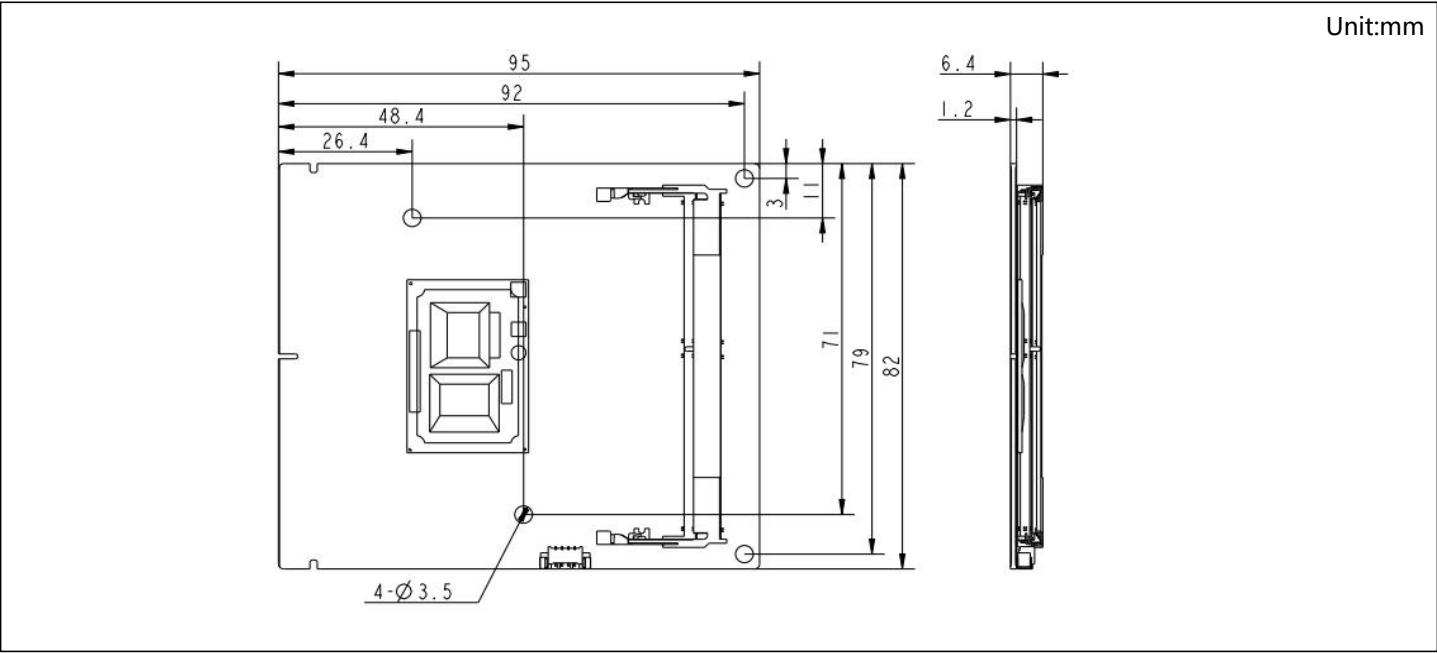


SPEC.

CPU	CPU	N150
	Cores	4
	Total Threads	4
	Frequency	0.8~3.60 GHz
	TDP-up	6W
Memory	Single channel DDR5 1*260-pin SO-DIMM, up to 4800MHz, up to 16GB	
Graphics	Intel® UHD Graphics ,support for DirectX12.1, OpenGL and OpenCL DP 1.4 max. res. 4096x2160@60Hz, eDP max. res. 4096x2160@60Hz	
MXM 3.1 Goldfinger (281-Pin)	DDI	2
	eDP	1
	PCIeX1	3
	USB3.2/PCIeX1	4
	USB2.0	8
	SATA3.0/PCIeX1	2
	eSPI	1
	HDA	1
	SM BUS	1
	Legacy IO	1

	RTC	1
	UART	4
	GPIO	3
	F-Panel: Power SW/Reset/PW-LED/HDD-LED	
Power Supply	DC IN 12V	
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second	
OS Support	Windows 10 64bit, Windows 11 64bit, SUSE, Ubuntu, Wind River, Linux	
Dimension	(W*H): 95*82mm	
Operating temperature	0 ~ 60°C	
Storage Temperature	-40°C~85°C	
Storage Humidity	10~95%@40°C, Non-condensing	
EMC/Certification	CE/FCC Class A	

Dimension



Ordering Info

Module No.	CPU	Introduction
NODE-I721/S001	Intel® N150	Intel Alder lake-N CPU, 1*DDR5 4800Mhz, MXM 3.1 Goldfinger(3*PCIeX1, 4*USB3.2, 8*USB2.0, 2*SATA3.0, 1*HDA Legacy IO, 1*eDP, 1*eSPI, 1*SPI, Power SW/Reset/PW-LED/HDD-LED, 2*DDI, 3 bit GPIO, SM BUS, RTC, 4*UART), DC 12V power in