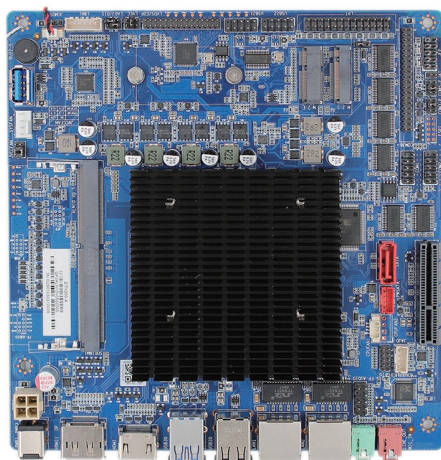**POLYHEX**

Embedded Box PC Based on Intel Alder Lake-N Series CPU

Description:

BPC-IN100/IN200-2N6B is based on the 12th Gen. Intel Alder Lake-N series processor, ideal for various industrial applications. It supports 1 x SO-DIMM DDR4 up to 32GB, and features HDMI2.0, DP, LVDS/eDP for multitasking. It has rich I/O interfaces including 2 x USB3.0, 2 x USB2.0, 1 x USB Dongle, 2 x LAN, 1 x SATA, 2 x M.2 connector and 1 x PCIe4X (PCIe 2X Signal).

Specification:

Processor	Alder Lake N Series	N200	N100
	Total Cores/Threads	4C/4T	4C/4T
	Max Turbo Frequency	3.70GHz	3.40GHz
	Cache	6MB	6MB
Memory	Type	Single Channel SO-DIMM DDR4	
	Max. Capacity	32GB	
Display	GPU	Integrated Intel UHD Graphics	
	Interface	1 x HDMI2.0, 1 x DP, 1 x LVDS/eDP	
Ethernet	Controller	2 x Intel i226 Data Rate Per Port: 2.5GbE	
	Interface	2 x RJ45	
	Wake on LAN	Yes	
Audio	Audio Codec	Realtek HD	
	Interface	1 x Line-out, 1 x Mic-in, supports audio header and amplifier header	
Hardware		CPU system temperature, onboard voltage, watchdog and auto power on	
Storage	M.2	1 x M.2 for SATA SSD/4G	
	SATA	1	
Expansion	M.2	1 x M.2 for WiFi	
	PCIe4X	1(PCIe 2X Signal)	
	SIM	Optional	
I/O Interfaces	LAN	2	
	Display	1 x HDMI2.0, 1 x DP	
	USB3.2	2 x USB3.0	
	USB2.0	2 x USB2.0	
	USB Dongle	1(USB2.0)	
	Audio	1 x Line-out, 1 x Mic-in	
Dimension	Size	190 mm(D)×190 mm(W)×65 mm(H)	
Power	Standard Port	12V/19V DC-IN	
	Operating Temp.	-20°C~60°C	
	Storage Temp.	-40°C~80°C	
Operating System		Win 10/11 64 bit, Linux 64 bit	

POLYHEX
Beyond the Embedded Deployment