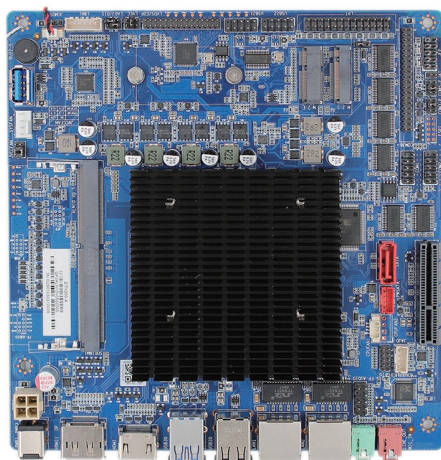




Embedded Box PC Based on Intel Alder Lake-N Series CPU

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	

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

