POLYHEX

Box PC Based on Intel H110 Chipset, Supporting Intel 6th/7th Gen. CPU

Main Features:

· Based on Intel H110 chipset, support Intel 6th/7th/8th/9th Gen. series desktop CPU
· Max to 95W TDP
· Support 6 x Display-Port multi-screen display outputs (By discrete graphic card)
· Support dual-channel DDR4 SO-DIMM
· 2 x 1000M LAN

Description:

BPC-IH110D-2N1BP6 takes Intel H110 chipset, Intel 6th/7th/8th/9th Gen. series desktop CPU,Max to 95W TDP, dual 1000M network cards and maximum support of 12 x COM. Moreover, it supports 6 Display-Port multi-screen display outputs, which could support 2x1/1x2/3x1/1x3/4x1/2x2/5x1/1x5/3x2, Landscape and Portrait combination mode, It has been widely used in industrial control, digital signage, smart retail, intelligent terminal and other industries.

2 x LAN   1 x COM   1 x AUX, 1 x SPEAKER , 1 x MIC

4 x USB 3.0   2 x VGA   1 x HDMI   6 x DP

2 x USB 2.0   1 x PS/2

1 x MIC, 1 x SPEAKER

Power Button   USB 2.0   USB 2.0

Specification:

System	
CPU	Intel 6th/7th/8th/9th Gen. series desktop CPU, Max to 95W TDP
Chipset	Intel H110
Memory	8GB(Support 2 x U-DIMM DDR4 2666MHz, up to 32GB)
Storage	1 x Mini_PCIe full-height support MSATA SSD, 3 x standard SATA3.0 interfaces
Operating System	Windows7/8.1/10, Linux
Wake on LAN	Support
Display	
Core	Radeon HD 7750 2GB 6 x DP
Display Output	**Landscape:** 2x1(3840x1080@60Hz) 1x2(1920x2160@60Hz) 3x1(5760x1080@60Hz) 1x3(1920x3240@60Hz) 4x1(7680x1080@60Hz) 2x2(3840x2160@60Hz) 5x1(9600x1080@60Hz) 1x5(1920x5400@60Hz) 3x2(5760x2160@60Hz) **Portrait:** 2x1(2160x1920@60Hz) 1x2(1080x3840@60Hz) 3x1(3240x1920@60Hz) 1x3(1080x5760@60Hz) 1x4(1080x7680@60Hz) 2x2(2160x3840@60Hz) 5x1(5400x1920@60Hz) 1x5(1080x9600@60Hz) 2x3(2160x5760@60Hz)
Network	
Controller	2 x RTL8111F gigabit network, support Wake on LAN
Audio	
Controller	Realtel ALC662-VDO
Output Interfaces	Audio-out + Mic-in + Line-In
I/O Interfaces	
USB	4 x USB 3.0 + 2 x USB 2.0 (Built-in extension 4 x USB 2.0）
COM	Support 6 x COM-RS232 protocol interfaces, can extend to maximum 12 x COM-RS232
Expansion Interfaces	
Mini_PCIe	1 x half-height(Bottom), support WIFI/BT
USB 2.0	4 x USB 2.0 extended pins
Expansion Function	
Auto-power-on	Support hardware control auto-power-on, jumper selection
Power	
Power supply mode	150W DC Power Adaptor

Mechanical & Environment	
Cooling Way	Fan
Operation Temp.	0-60℃
Storage Temp.	-20-80℃
Size	65（W) x 310(H) x 240(D)MM
Package Size	345 x 300 x 130MM
Net Weight	2.129KG
Package Weight	3.295KG
Color	Black
Material	SGCC

Product Photos:

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year experience, 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, Rockchip, Allwinner 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.

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Beyond the Embedded Deployment