



## Fanless Mini Box PC Powered by Intel® Alder Lake-N / Twin Lake-N processors

### Main Features:

- Intel Alder Lake-N Processor / Intel Twin Lake-N Processor
- Supports UEFI-based Windows 10 and Linux operating systems
- 2 x HDMI
- 1 x USB3.0, 7 x USB2.0, 2 x RS232
- 3 x M.2, 1 x SATA3.0
- 2 x Realtek 2.5G LAN



## Specification:

<b>System</b>	
CPU	Intel Alder Lake-N Processor Intel Twin Lake-N Processor
Memory	1 x DDR5 SO-DIMM Socket (Up to 48G)
Storage	1 x 2.5-inch HDD/SSD 1 x M.2 M key 2280 for SSD (PCIe3.0 x 1)
Watchdog	Yes
OS	UEFI Windows10, UEFI Linux
<b>Front I/O</b>	
Power Button	1 x Power Button, 1 x Reset Button
LED	1 x Power LED, 1 x HDD LED
USB	3 x USB2.0, 1 x USB3.0
Serial Port	2 x RS232 (COM1/2 can be set as RS485)
<b>Rear I/O</b>	
Power	1 x DC Jack
LAN	2 x Realtek 2.5G LAN
USB	4 x USB2.0
Display	2 x HDMI
Audio	1 x Mic-in, 1 x Line-out
<b>Expansion</b>	
M.2	1 x M.2 M key 2280 for SSD (PCIe 3.0 x 1) 1 x M.2 B key 3042/3052 for 4G/5G (5G Mode Requires Customization) 1 x M.2 E key 2230 for WiFi
GPIO	1 x GPIO (2 x 5-pin, 2.0mm pitch)
SIM Card Slot	1 x SIM card slot
Clear CMOS Jumper	Yes, 1 x 3-pin, 2.54mm pitch
AutoStart Jumper	Yes, 1 x 3-pin, 2.54mm pitch
Front Panel Header	1 (2 x 5-pin, 2.0mm pitch)
<b>Power Supply</b>	
Power Input	12V/3A, 5.5mm x 2.5mm DC Jack
<b>Mechanical &amp; Environmental</b>	
Operating Temp.	0°C~50°C
Storage Temp.	-20°C~80°C
Humidity	10%~90%
Material	Aluminium Alloy
Dimension	178 x 111 x 52mm
Weight	0.78kg
Mounting	VESA Mounting Bracket
Packaging Dimension	261 x 218 x 75mm
Cooling System	Passive Cooling (Fanless Design)

**ABOUT POLYHEX**

As a board level and system level designer and manufacturer, Polyhex, with 12-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.

