

WBP-12U4 series

Intel® Alder Lake-U Processor based Fanless BOX-PC
With 6x RS-232/485 ports

Features

- Intel® 12th Gen Alder Lake U Series Processor
- 2* SO-DIMM DDR4 3200MHz up to 64 GB
- Integrated Intel® UHD/Iris® Xe Graphics
- 2* 10/100/1000Mbps LAN ports
- 1* M.2 Slot for NVMe/SATA SSD, 1* 2.5-inch HDD bay
- 6*RS-232/485, 4*USB 3.0, 2*USB 2.0
- 9~36V DC-in / Phoenix 2-pin
- 2* CAN Bus Optional
- TPM 2.0 Module Optional



6x RS-232/485



Specifications

Material Chassis	Aluminum alloy + sheet metal material, no fan heat dissipation	
Colour	Black	
Dimensions (W x H x D)	205*192*68.4mm	
Cooling	Passive	
Power Adapter	DC12V/7.5A/90W Optional	
Power Input	DC 9~36V Input	
Power interface	1*DC interface or 1*2P P=5.08mm phoenix terminal, support DC 9~36V wide voltage power	
Processors	Intel® i5-1235U/3.30GHz, Turbo 4.4GHz, 10-core 12-thread processor, TDP 15W	Intel® i7-1255U /3.50GHz, Turbo 4.7GHz, 10-core 12-thread processor, TDP 15W
Chipset	Integrated with Intel® SoC	
Memory	2x SO-DIMM DDR4 3200MHz Up to 64GB	
Storage	1x 2.5 inch hard drive bay 1x MSATA 1x M.2/SSD, support Key-M, 2280, NVME PCIE x4 SSD	
BIOS	AMI UEFI BIOS	
Display Controller	Integrated Intel® UHD Graphics/Iris® Xe Graphics eligible 2x HDMI2.0 (4096*2304@60Hz) 1x DP1.4 (4096*2304@60Hz) 1x VGA, support quad display	
Ethernet Controller	2x Intel® i210 GbE LAN ports	
Serial	6x RS232/485 Optional COM1~2 can support CAN (CAN module needs to be loaded) 6 sets of 6-digit DIP switches, RS232/485 switching (DIP switches are located at the bottom of the chassis)	
USB	2x USB2.0 4x USB 3.0	
AUDIO	1x Line out, 1x Mic	
GPIO	N/A	
TPM	Optional : GC-TPM2.0 SPI V2 SLB9672 Module (12-1pin ; Interface SPI bus) System Requirements: Windows 10 / 11 UEFI OS	
Expansion Slot	1*Mini-PCIE, support WiFi or 4G	
Wired Control	Ext Power on/off Control	
Watchdog Timer	Software Programmable Supports 0~255 sec. System Reset	
Environment	Operating Temperature: -10~50° C Storage Temperature: -20~70° C Operating Humidity: 5%~95%@40° C, non-condensing	
OS	Win10/11 64bit, Linux(Support by request)	
EMC	3C,FCC, CE, RoHS compliance	
Mounting	Tabletop / Wall Mount / DIN Rail (35mm)	

Ordering Information

Model name	Description
WBP-12U4-i5-1235U	FANLESS BOX-PC with Intel i5-1235U, 2xGbE LAN, 6xRS-232/485, 4x USB 3.0, 9~36V DC Input
WBP-12U4-i7-1255U	FANLESS BOX-PC with Intel i7-1255U, 2xGbE LAN, 6xRS-232/485, 4x USB 3.0, 9~36V DC Input
WBP-12U4-i5-1235U-02	FANLESS BOX-PC with Intel i5-1235U, 2xGbE LAN, 4xRS-232/485, 4x USB 3.0, 9~36V DC Input, 2* Can bus
WBP-12U4-i7-1255U-02	FANLESS BOX-PC with Intel i7-1255U, 2xGbE LAN, 4xRS-232/485, 4x USB 3.0, 9~36V DC Input, 2* Can bus

Optional Accessories

Item	Description
	If you need to buy processors, HDD/SSD, power Adapter, system memory and other accessories, please contact us.