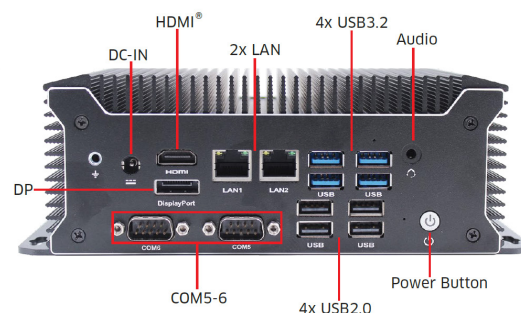


# WBP-12N2 series

Intel® 12th Gen Alder Lake-N Series based  
Embedded Fanless BOX-PC

## Features

- Intel® 12th Gen Alder Lake/Raptor Lake U Series Processor
- Single Channel SO-DIMM DDR4 up to 32 GB
- Intel Integrated Graphics, display via HDMI® + DP
- 2x Intel® i210 10/100/1000Mbps
- 1x SATA3.0, 1x mSATA
- 1x M.2 E-Key for WiFi
- 9V-35V DC Input



Embedded BOX-PC

4U SETUP PC

3U SETUP PC

2U SETUP PC

Panel PC

Touch Monitor

## Specifications

|                        |  |             |
|------------------------|--|-------------|
| Material Chassis       | Aluminum Alloy Shell   |             |
| Colour                 | Black  |             |
| Dimensions (W x H x D) | 205mm x 125mm x 70.5mm   |             |
| Cooling                | Passive  |             |
| Power Adapter          | 19V/3.42A AC-DC Power Adapter  |             |
| Power Input            | 9-35V DC Input   |             |
| Processors             | Core i3-N305 8 Cores / 8 Threads   | N97 4 Cores |
| Chipset                | Integrated with Intel® SoC   |             |
| Memory                 | Single Channel SO-DIMM DDR4 3200MHz up to 32GB   |             |
| Storage                | 1x mSATA for SSD/4G Module<br>1x SATA3.0 for 2.5-inch HDD Support <=7mm 2.5-inch HDD/SSD                               |             |
| BIOS                   | AMI UEFI BIOS  |             |
| Display Controller     | Integrated Intel® UHD Graphics<br>1x HDMI2.0<br>1xDP   |             |
| Ethernet Controller    | 2x Intel® i210   |             |
| Serial                 | 4x RS232<br>2x RS485(COM5,COM6)  |             |
| USB                    | 4x USB2.0<br>4x USB 3.2  |             |
| AUDIO                  | Realtek HD<br>1xCTIA 2-in-1 Audio Jack   |             |
| GPIO                   | 8-bit GPIO (by request)  |             |
| Expansion Slot         | 1x M.2_E for Wi-Fi, support Intel® Integrated Connectivity (CNVi)  |             |
| Watchdog Timer         | Software Programmable Supports 0~255 sec. System Reset   |             |
| Environment            | Operating Temperature: -20~60° C<br>Storage Temperature: -40~80° C<br>Operating Humidity: 5%~95%@40° C, non-condensing |             |
| OS                     | Win10/11 64bit, Linux(Support by request)  |             |
| EMC                    | 3C,FCC, CE, RoHS compliance  |             |

## Ordering Information

| Model name       | Description   |
|------------------|---|
| WBP-12N2-N97     | FANLESS BOX-PC with Intel N97, HDMI+DP, 2x GbE LAN, 6xCOM ports, 4x USB 3.2, 9-35V DC Input     |
| WBP-12N2-i3-N305 | FANLESS BOX-PC with Intel i3-N305, HDMI+DP, 2x GbE LAN, 6xCOM ports, 4x USB 3.2, 9-35V DC Input |

**Note: Default with out 2.5-inch Drive Bay and GPIO ports**

## Optional Accessories

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