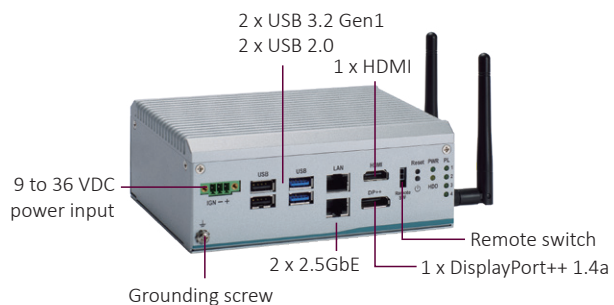


# eBOX100A NEW

Fanless Embedded System with Intel® Alder Lake-N Processor, 2 LAN/4 LAN, HDMI, DisplayPort++, 2 COM, 4 USB, and 9 to 36 VDC

With two 2.5GbE LAN ports:



▲ Front view

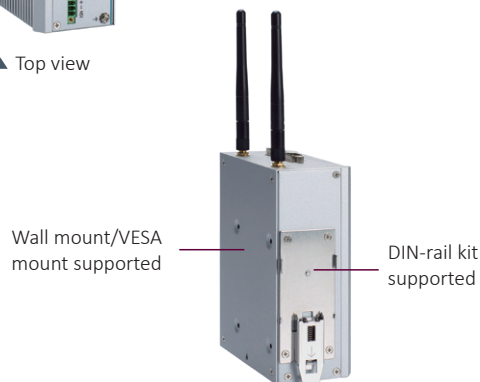


▲ Top view

With four 2.5GbE LAN ports:



▲ Front view



▲ Rear view



IP40



Fanless



USB 3.2



DDR5



9 to 36 VDC



Wide Temp.



Dual-View

## Features

- Intel® processor N97 quad-core SoC (Alder Lake-N)
- 1 DDR5 SO-DIMM, up to 16GB
- Operating temperature range from -40°C to +60°C
- Available in 2-port or 4-port 2.5GbE configurations
- Intelligent power management for USB power on/off control
- Supports HDMI (FHD) and DisplayPort++ for dual displays
- Front-access I/O design

## Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® processor N97 (Alder Lake-N) (up to 3.6GHz, 12W) Intel Atom® x7211E or Intel® Core™ i3-N305 (Alder Lake-N) by request
System Memory	1 x 262-pin DDR5-4800 SO-DIMM, up to 16GB
Chipset	SoC
BIOS	AMI

## Specifications

System I/O Outlet	<b>Top side</b> 2 x RS-232/422/485 with autoflow 2 x Antenna opening	<b>Front side</b> 2 x 2.5GbE LAN or 4 x 2.5GbE LAN (Intel® I226-V)* <ul style="list-style-type: none"><li>● Two 2.5GbE version: Supports 1 PCIe Mini Card and 1 M.2 Key E.</li><li>● Four 2.5GbE version: Supports only 1 PCIe Mini Card.</li></ul> 2 x USB 3.2 Gen1 2 x USB 2.0 1 x HDMI (FHD) 1 x DisplayPort++ 1.4a 1 x Reset switch 1 x Power button 1 x Phoenix type VDC power input connector 1 x Remote switch connector 1 x Chassis grounding
Watchdog Timer	255 levels, 1 to 255 sec.	
Storage	1 x 2.5" SATA HDD/SSD (up to 15 mm height)	
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB 2.0 + PCIe + SIM signal) 1 x M.2 Key E 2230 socket for Wi-Fi 6E (USB 2.0 + PCIe signal), supporting two 2.5GbE version only 1 x Internal SIM slot for PCIe Mini Card slot	
TPM	TPM 2.0	
System Indicator	1 x Green LED for system power 1 x Orange LED for HDD active 4 x Programmable Green LED	
Power Input	9 to 36 VDC with ignition Inrush current: 1.39 to 6.67 A	
Operating Temperature	-40°C to +60°C (-40°F to +140°F) (with W.T. DRAM & SSD)	
Humidity	10% to 90%, non-condensing	
Shock Vibration	IEC 60068-2-27 (with SSD: 50G, half-sine, 11 ms duration)	
Vibration Endurance	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5- 500 Hz, 1 hr/axis)	
Dimensions	155 mm (6.1") (W) x 110 mm (4.33") (D) x 60 mm (2.36") (H)	
Weight (net/gross)	1.1 kg (2.4 lb)/1.5 kg (3.3 lb)	
Certifications	CE, FCC Class A, UKCA	
EOS Support	Win 10 (20H2/21H1/21H2), Win 11 IoT, Linux	

\* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

## Packing List

4 x Foot pad  
1 x DRAM bracket  
2 x Thermal pad for DRAM  
1 x 3-pin terminal block connector  
1 x Remote power switch cable  
1 x Screw pack

## Power Protection

### DC Version

OVP (over voltage protection)  
UVP (under voltage protection)  
OCP (over current protection)  
SCP (short circuit protection)  
Reverse protection

## Ordering Information

### Standard

eBOX100A-N97-2E (P/N: E36K100A00)	Fanless embedded system with Intel® processor N97 quad-core SoC (Alder Lake-N), 2 LAN, HDMI, DisplayPort++, 2 COM, 4 USB, and 9 to 36 VDC
eBOX100A-N97-4E (P/N: E36K100A01)	Fanless embedded system with Intel® processor N97 quad-core SoC (Alder Lake-N), 4 LAN, HDMI, DisplayPort++, 2 COM, 4 USB, and 9 to 36 VDC

\* Specifications and certifications may vary based on different requirements.

### Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR5 SO-DIMM	8GB to 32GB
E29R129102	Wall mount kit
E29R129133	DIN-rail kit
E29R129134	VESA mount kit
509000004800	12V 96W power adapter
	Wi-Fi/LTE module

## Dimensions

