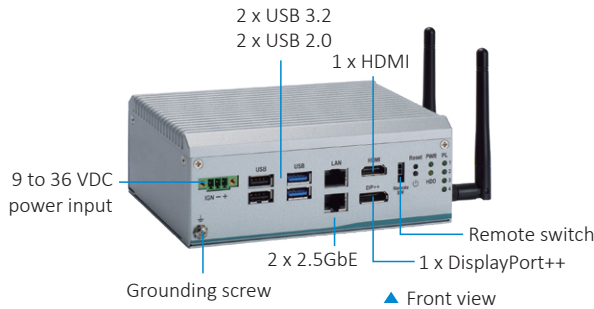


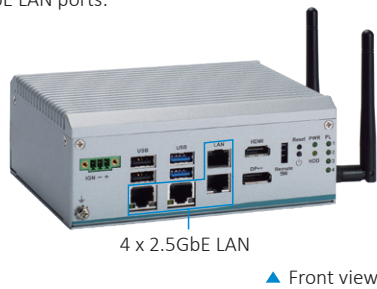
eBOX100A NEW

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:

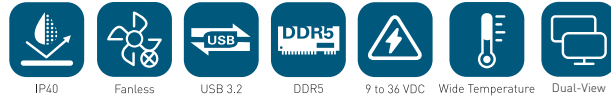


With four 2.5GbE LAN ports:



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
- Supports either 2-port or 4-port 2.5GbE versions
- Intelligent power management for USB power on/off control
- Supports HDMI (FHD) and DisplayPort++ for dual-view
- 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
System I/O Outlet	<p>Top side</p> <p>2 x RS-232/422/485 with autflow</p> <p>2 x Antenna opening</p> <p>Front side</p> <p>2 x 2.5GbE LAN or 4 x 2.5GbE LAN (Intel® I226-V)*</p> <ul style="list-style-type: none"> • Two 2.5GbE version: Supports 1 PCIe Mini Card and 1 M.2 Key E. • Four 2.5GbE version: Supports only 1 PCIe Mini Card. <p>2 x USB 3.2 Gen1</p> <p>2 x USB 2.0</p> <p>1 x HDMI (FHD)</p> <p>1 x DisplayPort++</p> <p>1 x Reset switch</p> <p>1 x Power button</p> <p>1 x Phoenix type VDC power input connector</p> <p>1 x Remote switch connector</p> <p>1 x Grounding</p>
Watchdog Timer	255 levels, 1 to 255 sec.

Specifications

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	9-36 VDC with ignition
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 IoT, 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.

Dimensions

