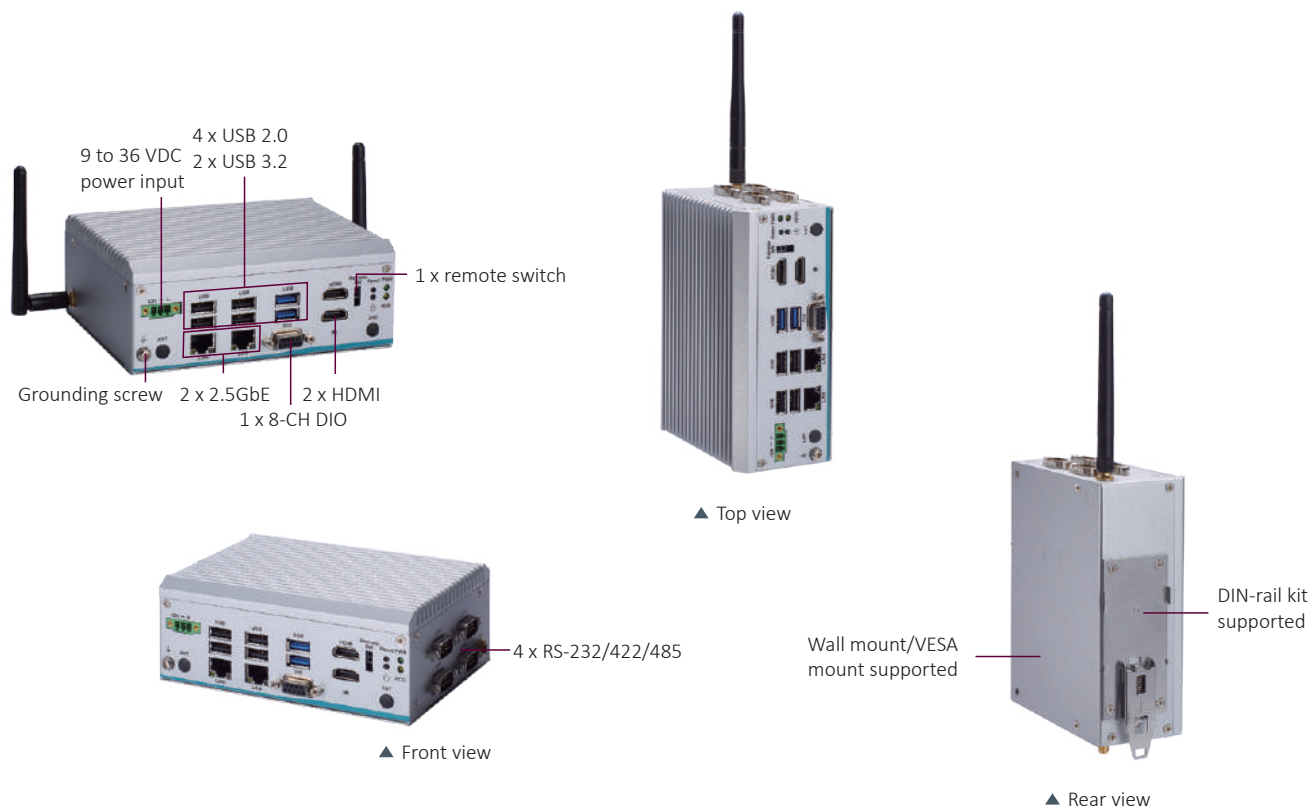


eBOX100B NEW

Fanless Embedded System with Intel® Twin Lake Processor, 2 LAN, 2 HDMI, 4 COM, 6 USB, DIO and 9 to 36 VDC



IP40



Fanless



USB 3.2



LPDDR5



9 to 36 VDC



Wide Temp.



Dual-View



2.5GbE

Features

- Intel® Processor N150 Quad core SoC (Twin Lake)
- 8GB LPDDR5 onboard (16GB option)
- Wide operating temperature -40°C to +70°C
- Intelligent power management: ignition and USB power on/off control
- 2 2.5GbE, 6 USB, 1 DIO and 4 COM
- 2 HDMI (FHD) for dual display
- M.2 Key E 2230, M.2 Key M 2280, and Mini PCIe
- Front-access I/O design

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	Intel® Processor N150 (Twin Lake) (up to 3.6 GHz, 6W)
System Memory	1 x 8GB LPDDR5 onboard (16GB by project)
Chipset	SoC
BIOS	AMI

Specifications

System I/O Outlet	Top side 4 x RS-232/422/485 with autoflow 1 x antenna opening Bottom side 1 x antenna opening	Front side 2 x 2.5GbE LAN (Intel® I226-V) 2 x USB 3.2 Gen 2 4 x USB 2.0 2 x HDMI (lockable) 1 x 8-CH TTL Digital IO 1 x reset switch 1 x remote switch connector 1 x power button 1 x phoenix type VDC power input connector 1 x chassis grounding 2 x antenna opening
Watchdog Timer	255 levels, 1 to 255 sec.	
Storage	1 x M.2 2280 Key M for NVMe SSD 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 (USB 2.0 + PCIe x1 signal) 1 x M.2 Key M 2280 socket for NVMe (PCIe x4 Gen3) 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	
Power Input	9 to 36 VDC with ignition Inrush current: 1.5 to 13 A	
Operating Temperature	-40°C to +70°C (-40°F to +158°F) (with W.T. DRAM & SSD)	
Relative Humidity	10% to 90% relative humidity, non-condensing	
Shock Vibration	IEC 60068-2-27 (with SSD: 50G, half-sine, and 11 ms duration) MIL-STD-810G	
Vibration Endurance	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, and 1 hr/axis) MIL-STD-810G	
Dimensions (W x D x H)	155 x 110 x 60 mm (6.1" x 4.33" x 2.36")	
Weight (net/gross)	1.1 kg (2.4 lb)/1.5 kg (3.3 lb)	
Certifications	CE, FCC Class A, and UKCA	
EOS Support	Win 10 (21H2), Win 11 IoT, and Linux	

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

Ordering Information

Standard

eBOX100B-N150-2E (P/N: E36K100B00)	Fanless embedded system with Intel® processor N150 (Twin Lake) , 2 LAN, 2 HDMI, 4 COM, 6 USB, DIO and 9 to 36 VDC
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* Specifications and certifications may vary based on different requirements.

Optional

M.2 NVMe SSD	128GB or above
2.5" SSD/HDD	100GB or above
E29R129102	Wall mount kit
E29R129133	DIN-rail kit
E29R129134	VESA mount kit
509000005500	24V 60W power adapter
	Wi-Fi/LTE module

Packing List

4 x foot pad
1 x M.2 thermal bracket
2 x thermal pad for M.2 thermal bracket
1 x 3-pin terminal block connector
1 x remote power switch cable
1 x screw pack
1 x lockable cable for HDMI
1 x SATA cable for 2.5" storage

Power Protection

DC Version

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

Dimensions

