GLOBAL AMERICAN

eBOX100B – Fanless Embedded System With Intel® Processor N150 Quad-Core SoC

The eBOX100B is equipped with the Intel® Twin Lake Processor N150 Quad-Core SoC and combines intelligent power management via USB and ignition power controls with a small form factor. With a vast I/O selection, fanless design, and wide temperature capabilities, this system is an incredible solution across sectors and industrial applications.

SPECIFICATIONS

CPU	Intel® Processor N150 (up to 3.6GHz, 6W)
Memory Type	Onboard 8GB LPDDR5
Maximum Memory Supported	16GB by project (contact sales for more information)
Chipset	Integrated in SoC
Integrated Graphics	Intel® UHD Graphics
Watchdog Timer	255 levels, 1 to 255 sec
Video	2 x HDMI (Lockable)
LAN Ports	2 x Intel® I226-V 2.5GbE
Storage	1 x M.2 M-Key 2280 PCIe x4 Gen3, 1 x SATA III for 2.5" HDD/SSD (up to 15mm height)
Digital I/O	1 x 8-CH TTL

TPM	1 x ST33HTPH2X32AHE4 (2.0)
Extended Interface	1 x Mini-PCIe, 1 x M.2 E-Key 2230 PCIe x1, 1 x M.2 M-Key 2280 PCIe x4 Gen3, 1 x internal SIM slot for PCIe Mini Card slot
Front I/O	2 x USB 3.2 Gen 2, 4 x USB 2.0, 2 x LAN, 2 x HDMI, 1 x DIO, 2 x Antenna Openings
Side I/O	4 x RS-232/422/485 with autoflow, 2 x Antenna Openings
Power Requirement	3-pin Phoenix Type connector 9 to 36 VDC with ignition, Inrush current: 1.39 to 6.67 A
Dimensions	6.1" x 4.33" x 2.36" (155mm x 110mm x 60mm)
Weight	Net: 1.1 kg (2.4 lb), Gross: 1.5 kg (3.3 lb)
Construction	Aluminum extrusion and heavy-duty steel, IP40
Mounting	Wall mount kit, DIN-rail kit, VESA mount kit
Shock	IEC 60068-2-27 (with SSD: 50G, half-sine, and 11 ms duration), MIL-STD-810G
Vibration	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, and 1 hr/axis), MIL-STD-810G
Operating Temperature	-40 ~ 70°C (-40 ~ 158°F) w/ WT DRAM and SSD
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)
Relative Humidity	10 ~ 90% (non-condensing)
OS Software Supported	Win 10 (21H2), Win 11 IoT, and Linux
Certification	CE, FCC Class A, and UKCA
Global P/N / SKU	1708634

Ordering Options

eBOX100B-N150-2E (SKU# 1708634): Fanless embedded system with Intel® processor N150 Optional: Wall Mount Kit DIN-Rail Kit VESA Mount Kit 24V 60W Power Adapter Please contact sales for more information

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