

TBOX-16N25

Intel 12th Alder Lake -N N95 CPU

2 GbE, 4 USB3.0, 2 USB2.0, 1 HDMI, 1 DP; DC 12/24V input

Efficient Control Cabinet Industrial PC

Version: 3.0



Features:

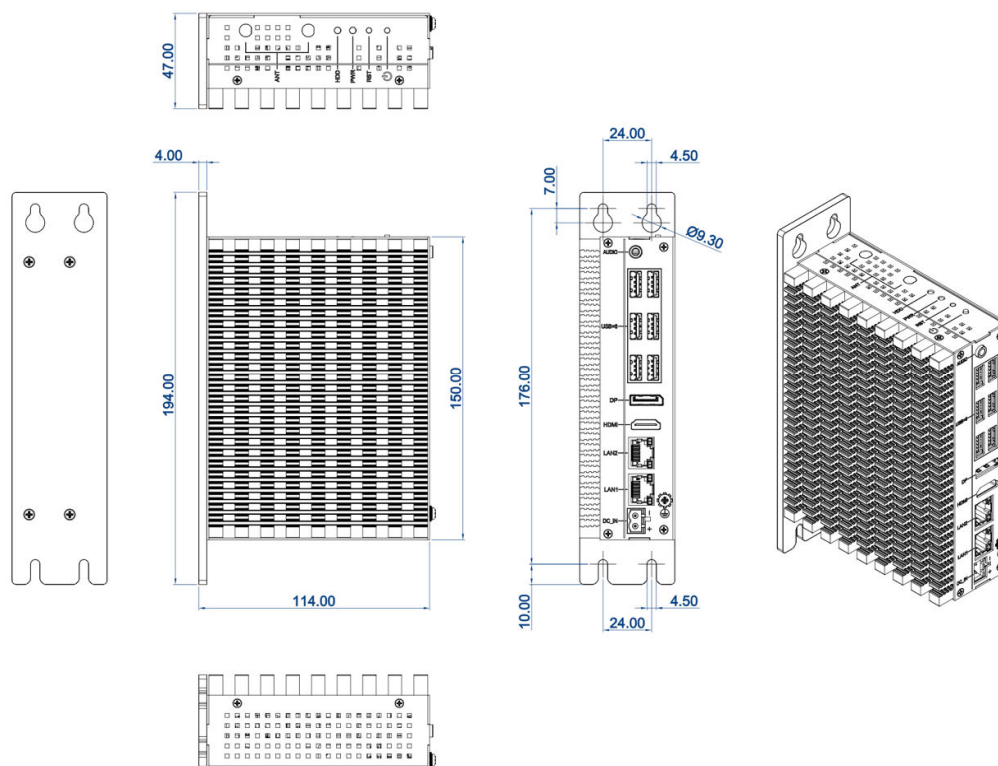
- Rugged & compact design, fanless design;
- Powerful Intel 12th Gen. Alder Lake-N series N95 processors;
- Single DDR4 memory, up to 16GB, 1* M.2 2280 M-key storage;
- DC terminal 12/24V input, Auto Detect;
- 2 GbE, optional with Wi-Fi/BT wireless function;
- 4 USB3.0, 2 USB2.0, 1 HDMI, 1 DP, Audio;
- 2 M.2 fast-speed expansion slots;
- Cabinet mount, optional Din-Rail mount;
- Industrial operating -20 ~ +60°C temp. range.

Specification



System	BIOS	SPI AMI EEI BIOS
	CPU	Intel 12 th Gen. Alder Lake-N series N95 processor, up to 3.40Ghz, 4E-Core
	CPU Ghz	Up to 3.40Ghz, 4E-Core
	TDP	15W
	Graphic	Intel UHD Graphics (Up to 16EUs, 1.20Ghz)
	TPM	Intel PTT TMP2.0
	Memory	SO-DIMM, DDR4-2666/2933/3200 Mhz, Single slot, Max. up to 16GB
	Storage	1* M.2 2280 M-Key slot (PCIe1 & SATA) SSD
	Network	1* Intel I226V, 1* Intel I210AT, Optional support Wi-Fi/BT & Wi-Fi 6 wireless
	Expansion	1* M.2 3042/3052 B-key slot, 1* M.2 E-key slot (Wi-Fi/BT)
	Watchdog	0 ~ 256 seconds programmable
	Operating system	Win10/Win11 64-bit; Linux
IO interface	Serial port	N/A
	Ethernet	2* RJ45, 10/100/1000 Mbps
	USB	4* USB3.0, 2* USB2.0,
	Display	1* HDMI (Max. support 4096 *2160 @30Hz), 1* DP++ (Max. 4096*2160 @60Hz)
	Audio	1* Mic-in/Line-out (2-in-1, 3.5mm Jack)
	Power input	1* 2 pin, DC terminal
Structure	Box structure and surface	Aluminum alloy, anodizing and anti-scratch treatment
	Color	Black
	Mount method	Cabinet mount, Din-Rail mount (optional)
	Cooling system	Finned aluminum heatsinks
	Indicator & Button	Power switch, Power LED, HDD LED
	Dimension	150.00mm * 114.00mm * 47.00 mm (194.00mm with mount rack)
	Net weight	About 1.0 KG
Power & Environmental	Operating temp.	-20 ~ + 60 (°C)
	Storage temp.	-40 ~ + 80 (°C)
	Humidity	10 ~ 95% @ 10C (No condensation)
	Vibration	50 ~ 500 Hz, 1.5G, 0.15mm peak to peak
	Shock	10G/Peak (11 ms)
	Power input	DC 12/24V (Auto detect)
	Power consumption	About 25W
	Certificate	CE/FCC/ROHS

Dimensions (mm)



Ordering information

Part no.	Description
TBOX-16N25	Intel 12 th Gen. Alder Lake-N N95 Processor, 2 RJ45, 4 USB3.0, 2 USB2.0, 1 HDMI, 1DP, Audio, DC terminal 12/24V, No PSU, Cabinet mount rack
TBOX-16N25R	Intel 12 th Gen. Alder Lake-N N95 Processor, 2 RJ45, 4 USB3.0, 2 USB2.0, 1 HDMI, 1DP, Audio, DC terminal 12/24V, No PSU, DIN-Rail mount rack
Optional Accessories	Description
-4G / -8G / -16GB	SO-DIMM, DDR4, 4GB/8GB/16GB
-128GS / -256GS / -512GS / -1TS	M.2 (PCIe x1 & SATA) SSD: 128GB/256GB/512GB/1TB
TBOX-WiBlu2	Wi-Fi module with BT integrated, with antenna
TPS-T60W12D1	60W/12V power supply unit (If needed)

Packing List

Description	Quantity
Standard TBOX-16N25 series Box PC Product	1 piece
Power Cable & Plug	1 set

