ATrack

VBOX AI500-AS SERIES



FEATURES

- Intel® Processor N97 and Intel Atom x7000RE series processors
- 1-DDR5 4800MHz SO-DIMM socket, Max. up to 16GB
- Intel® UHD Graphics
- Dual Expansion Slot M.2, Key-E/B for Wi-Fi, LTE, SSD, I/O module
- Rich I/O, 6-USB, 1-HDMI, 1-DP, 2-LAN (2.5GbE), 2-RS232, 1-Mic-in, 1-Line-out
- Wide Range DC Power Input, +12V/24V
- Fanless Operating Temp, 0~50°C
- Default dTPM 2.0, Wall Mount Kit

4K Full HD
HDMI+DP 4K@60Hz

Ruggedized Design

Fanless 0~50°C

+12/24Vdc

Compact Size 177x126x57mm

SPECIFICATIONS

System Information	
Processor	Intel® Processor N97 and Intel Atom® x7000RE series processor
System Memory	1 x 262-pin DDR5 4800MHz SO-DIMM socket, Max. up to 16GB
BIOS Information	AMI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec ~ 65535sec and 1sec or 1min /step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
TPM	On Board TPM 2.0

Expansion	
M.2	1 x M.2 Key-B (3042/3052/2242) 1 x M.2 Key-E (2230)

Storage	
M.2	1 x M.2 (Key-B, 2242, PCIe x1)
2.5 Drive Bay	1 x 2.5 Drive Bay (SATA3, 7mm)

Front I/O	
USB	2 x USB2.0
Power Button	1 x Power Button
Reset Button	1 x Reset Button
LED Indicator	1 x Power on/off LED 1 x Storage Access LED
Audio	1 x Mic-in 1 x Line-out

Rear I/O	
USB	3 x USB 3.2 Gen2 1 x USB 2.0
COM Port	2 x RS232
LAN Port	2 x RJ-45 (2.5GbE)
DP	1 x DP1.4a
HDMI	1 x HDMI 2.0b
Antenna	2 x Antenna Mounting with Dust Protection Cover
AC/DC Input	1 x Lockable DC Jack

Display	
Graphic Chipset	Intel® UHD Graphics
Resolution	HDMI 2.0b Max resolution 4096 x 2160 @ 60Hz DP1.4a Max resolution 4096 x 2160 @ 60Hz

Audio	
Audio Codec	Realtek ALC888S HD Audio Decoding Controller

Ethernet	
LAN Chipset	2 x Intel Ethernet Controller I226V
Data Rate Per Port	10/100/1000/2.5G Base-Tx GbE compatible

Power Requirement	
Voltage Input Spec.	Typical +12V/24V
Power Mode	AT/ATX (ATX is Default Setting)
Adapter	60W AC to DC Adapter (Default)/ 120W AC to DC Adapter (Option) Note1: 60W for general mode (storage, communication, display, USB port, room temp.) Note2: 120W for full load mode (general mode pluses max. workload and operating temp.)

Software Support	
OS	Win10, Win11, Linux

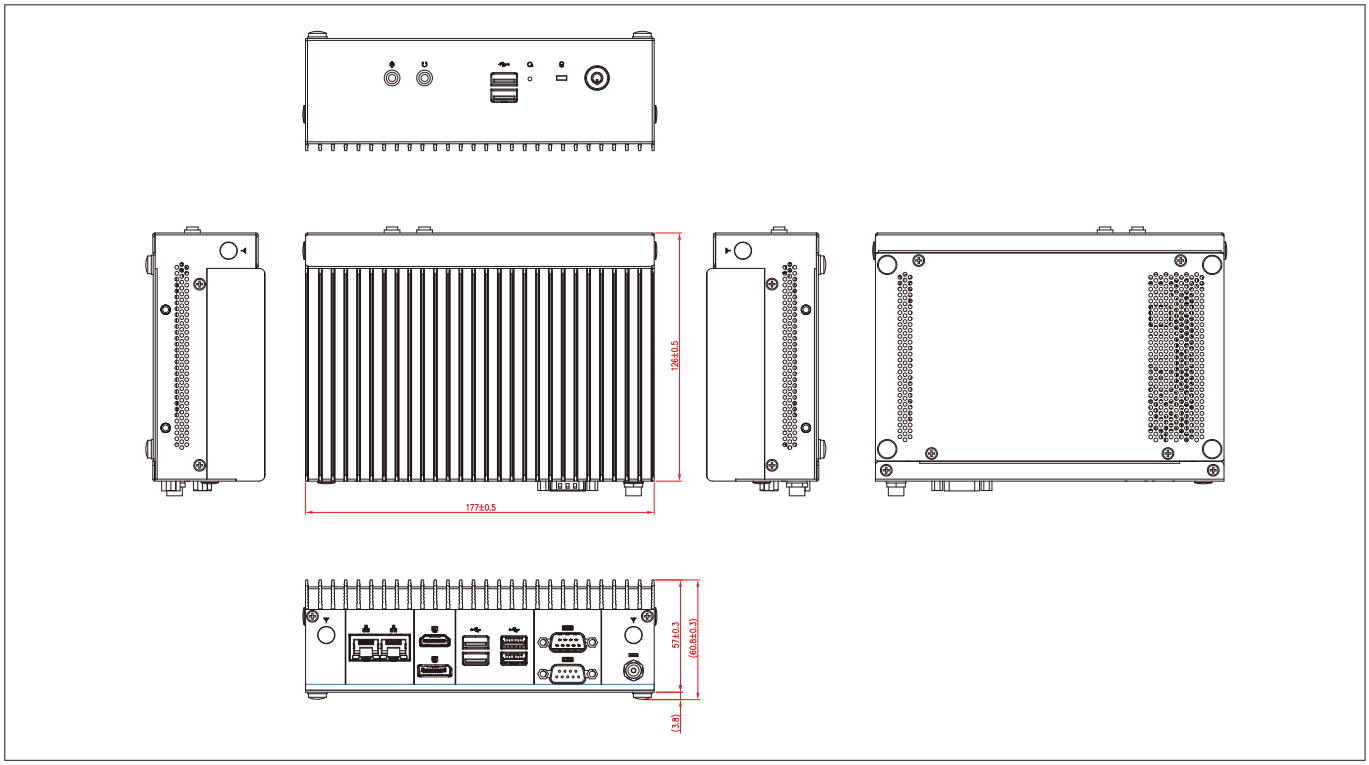
Certification	
Certification Information	CE, FCC Class B, UKCA

Mechanical & Environmental	
Operating Temp.	With extended temperature peripherals: 0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow
Storage Temp.	-30 ~ 70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	177 x 127 x 57mm
Mounting Kit	Wall Mount Kit (Default)

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MECHANICAL DRAWING



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