VBOX AI500-PT SERIES



FEATURES

- Intel® Core Ultra Series 3 Processor
- 1 x Memory socket (Capacity Max. Up to 48GB DDR5
- 6400MT/s or 32GB 7200MT/s)
  2 x COM Ports (2 x RS232 or 1 x RS232 & 1 x 8bit DIO)
- 2 x Storage (M.2 Key-M, Key-B)
- 3 x Display (HDMI 2.1b, DP 2.1, USB-C DP)
- Built in Intel® Arc GPU
- 2 x CAN bus (with one DB-9)
- 2 x Intel® 2.5G Ethernet
- 3 x Expansion Slot (M.2 Key-M, Key-B, Key-E)

SPECIFICATIONS

System Information

Processor	Intel® Core™™ Ultra Series 3 processors Intel® Core™™ Ultra 7 processor 365 (12M Cache, up to 4.8 GHz) Intel® Core™™ Ultra 7 processor 355 (12M Cache, up to 4.7 GHz) Intel® Core™™ Ultra 5 processor 335 (12M Cache, up to 4.6 GHz) Intel® Core™™ Ultra 5 processor 322 (12M Cache, up to 4.5 GHz)
System Memory	1 x 262-pin DDR5 6400MHz (H404) SO-DIMM socket, 7200MHz (H484) SO-DIMM socket supports up to 48GB Max.
Security	Onboard TPM 2.0

Expansion

M.2	1 x M.2 Key M 2280 (with 1 x PCIe Gen5) NVMe 1 x M.2 Key B 1 x M.2 Key E

Storage

M.2	1 x M.2 (Key M, 2280) 1 x M.2 (Key B, 3042/3052/2242)

Front I/O

USB	2x USB 2.0 type A
Power Button	1 x Power button
Reset Button	1 x Reset button
COM Port	2 x DB-9 RS-232 or 1 x DB-9 RS-232+1 x DB-9 8bit DIO
LED Indicator	1 x Power LED 1 x HDD LED
Audio	1 x Mic-In 1 x Line-Out

Rear I/O

USB	4 x USB 2.0 3 x USB 3.2 1 x USB Type-C 5V 3A at I/O (with USB 3.2 Gen 2x1 & DP 1.4a signal display output)
LAN Port	2 x 2.5GHz (RJ-45)
CAN Bus	2x CAN bus
DP	1 x DP 2.1
HDMI	1 x HDMI 2.1b

Power Requirement

Voltage Input Spec.	DC in +12V ~ +24V
ACPI	Single power ATX Support SO, S3, S4, S5, ACPI 5.0 compliant
Power Mode	AT/ATX (AT is Default Setting)
Adapter	120W AC to DC Adapter

Software Support

OS	Win 11 / Linux

Certification

Certification Information	CE, FCC Class A, RoHS, UKCA

Mechanical & Environmental

Operating Temp.	-20 to 60°C (CPU TDP 15W)
Storage Temp.	-40 ~ 85°C
Dimension (W x L x H)	177 x 126 x 57mm
Mounting Kit	Wall/VESA/DIN rail mount

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Specifications are subject to change without prior notice.