

VariBOX T Series

Ultra-Compact Design



Features

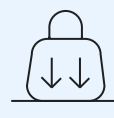
- Intel® 12th Generation Alder Lake i3/i5 CPU.
- Exceptional Thermal performance (Full CPU performance without thermal throttling).
- Custom Expansion Options PUSB / RAID / WiFi (Project Based).
- OS Support: Windows 10/11 / Linux
- Robust Aluminum Enclosure
- Support VESA 75x75 / 100x100 mounting



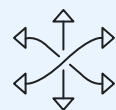
Intel Core
CPU



Advanced
Cooling Design



Die-Cast
Aluminum Casing

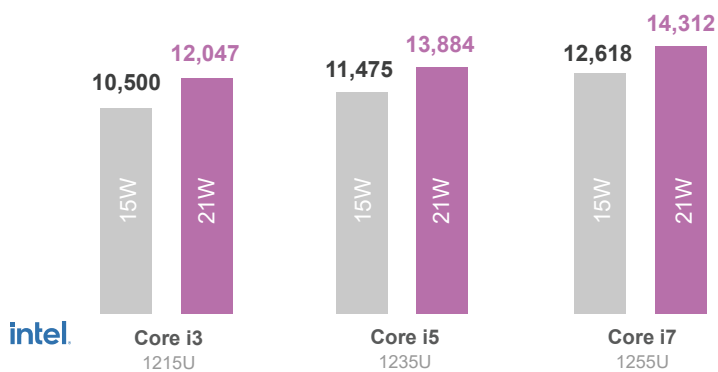


Custom
Expansion

Cooling Design

Advanced Cooling Design for Enhanced Performance

- Innovative copper heat sink (401 W/m·K) for rapid cooling.
- Designed to support 21W higher CPU TDP for enhanced stability and operational potential.
- Efficient cooling prolongs product lifespan.



CPU Benchmark By PerformanceTest 11

Maximized Benchmark Performance

- Fine-tuned TDP parameters for optimized efficiency.
- At 21W, i3 performance rivals i5 at 15W.

Customized CPU power level by project request

Point Of Sale (POS) Applications

Compact & Cost-Efficient POS Performance

- Flexible performance options for different budget needs.
- Compact design frees up valuable counter space.
- Reliable operation with optimized cost efficiency.



Serviceability & Maintenance

Designed for High Performance Box PC Applications

- Powerful processing for complex retail and hospitality scenarios.
- Extensive connectivity for diverse peripheral integration.
- Flexible configuration for varied deployment requirements.



Expansion

Flexible Expansion for Diverse Applications

The VariBox T Series is aimed at markets that demand cost-effective computing performance. They can be easily integrated and support diverse peripherals to meet a wide range of retail and hospitality applications.



▲ COM Ports



▲ 2x DC+12v & 1x DC+24v PUSB
Or RAID 0/1 with Dual 2.5" storage (PE26)



▲ WiFi/BT

Compact Design & Flexible Deployment



VESA compliance
● 75*75 / ● 100*100

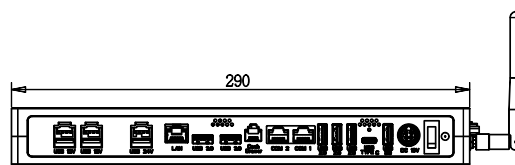
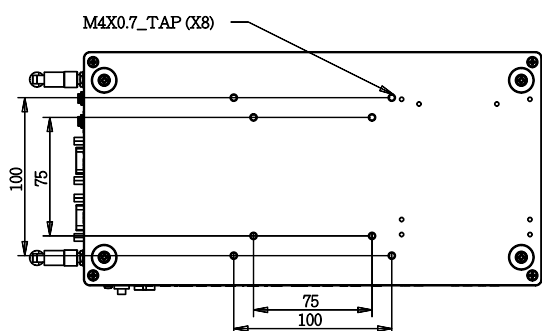
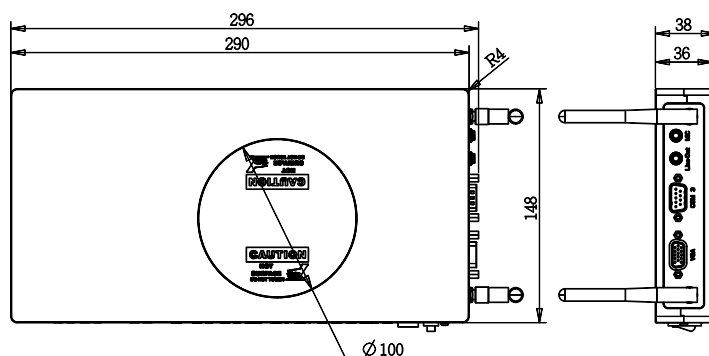
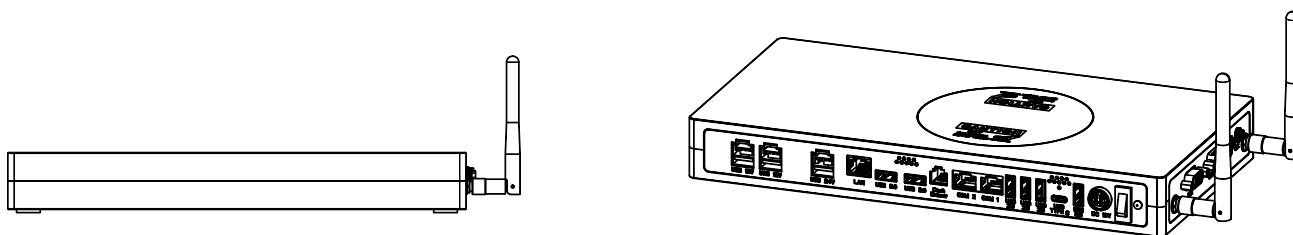


System Size
W296 x D148 x H38 mm

Technical Specifications

CPU	Intel® Alder Lake-P, U-Platform - Core i7 up to 4.7 GHz (Project Based) - Core i5 up to 4.4 GHz - Core i3 up to 4.4 GHz
Memory	1 x SO-DIMM DDR5 slot, 8GB RAM as standard. Max. memory support up to 32GB
Intel® AMT	i5/i7 CPU
TPM	Intel® F/W TPM 2.0
Graphic	Integrated Graphics Processor - Intel® UHD Graphics for 12th Gen Intel® Processor
Exoansion slot	1 x 2280 M.2 M-Key (PCIe Gen 3x4 for storage) 1 x 2230 M.2 E-Key (WiFi/BT)
Storage	1 x M.2 PCIe SSD or 2 x 2.5" SSD for RAID 0/1 (Project based)
I/O Ports	3 x USB 2.0 3 x USB 3.1 3x COM (COM1/2: RJ48 support DC+0/5/12v by BIOS setting, default setting is 0v, COM3: DB-9) 1 x RJ45 LAN Port supports Wake On LAN, PXE, AMT 1 x Type C (Support DP+PD) 1 x VGA 1 x Cash Drawer (RJ11, support DC+12V or +24V (default) by jumper setting, support 2 cash drawers) 1 x Line-Out 1 x MIC
Optional function (Project based)	a. Powered USB (DC+12Vx 2, DC+24Vx 1) b. RAID 0/1 (Dual 2.5" SSD) c. WiFi/BT (with 2x External Antenna) d. Customization upon request *The above options can only be chosen individually.
Power	- Input: 100 ~ 240Vac/ 50 ~ 60Hz - Output: DC+19V, 90W AC to DC Adapter *PUSB will use 180 watt adapter
Mechanical & Construction	- System fan: Fanless operation - Dimension (WxDxH): 296 x 148 x 38 mm - Mounting: Wall / Pole / VESA 75x75/100x100 - Construction: Aluminum housing with copper heatsink
Environmental	- Operating temperature: 0°C ~ 40°C, 10% ~ 90% Relative Humidity, Non-condensing - Storage Temperature: -20°C ~ 60°C, 10% ~ 90% Relative Humidity, Non-condensing
Certification	CE/FCC/LVD
OS Support	Windows 10/11 (64 bit), Linux (Ubuntu 22.04)

Dimension



Unit: mm

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