



# ARES-2000 Series

Ultra Compact Fanless BOX PC w/ Intel® 14<sup>th</sup> Gen Raptor Lake U Series Processors



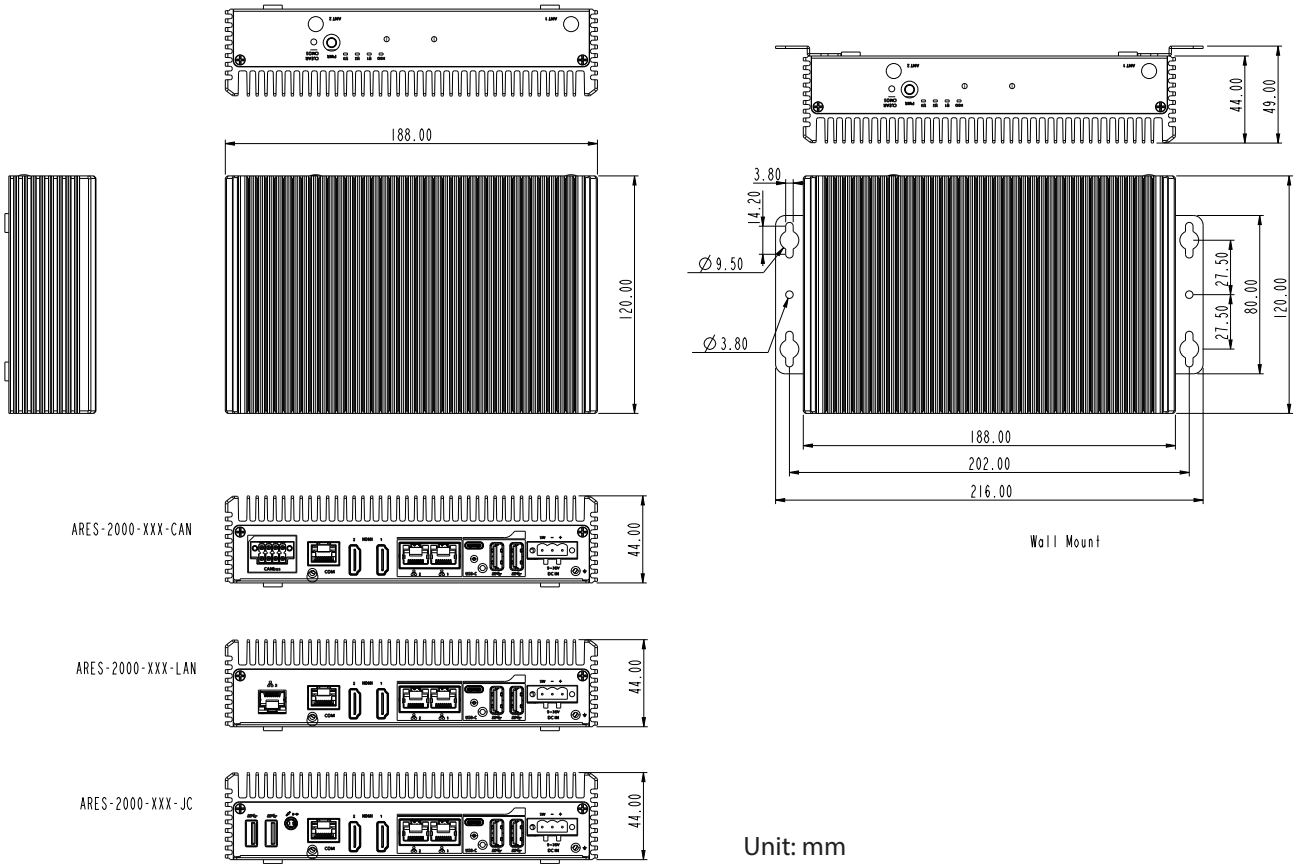
## Features

- Intel® Core™ 5 Processor 120U
- Ultra-Compact & Fanless Design
- Supports up to 3 x USB Ports
- Supports 2 x 2.5GbE LAN Ports (up to 3 x 2.5GbE via expansion)
- Supports up to 3 x Simultaneous Displays

System	
CPU	Intel® Core™ 5 Processor 120U
Memory	1 x 262-pin DDR5 SO-DIMM socket
Chipset	SoC
Graphics	Integrated Intel® Graphics
LAN Chipset	Intel® i226-LM
Watchdog Timer	1~255 levels reset
TPM	TPM 2.0 (fTPM/dTPM)
I/O	
Serial Port	1 x RS232/422/485 (via RJ45 connector)
USB Port	2 x USB-A 3.2 Gen2
	1 x USB-C 3.2 supports DP Alt. (4096 x 2304 @ 60 Hz) & 10W power output (5V/2A)
LAN	<b>ARES-2000-LAN:</b> 3 x 2.5GbE ports
	<b>ARES-2000-CAN:</b> 2 x 2.5GbE ports
	<b>ARES-2000-JC1:</b> 2 x 2.5GbE ports
Video Port	2 x HDMI 2.0 & 1 x USB-C 3.2 support DP Alt. support up to 3 x simultaneous displays
Expansion (ARES-2000-JC1 only)	1 x M.2 B-Key 2242/3042 Slot (PCIe x2, USB3.0/USB2.0) + SIM Slot for LTE, via expansion card
CANBus (ARES-2000-CAN only)	2 x 2kV isolated CAN FD via terminal block
Audio (ARES-2000-JC1 only)	1 x Audio Jack (Line-out & Mic-in)
Storage	
Type	1 x M.2 M-key 2242 Slot (PCIe Gen4 x4, SATA)

Power Requirement	
Power Input	DC 9~36V, DC in + Remote Switch
Power Consumption	Max. 90W
Environmental	
Operating Temp.	-20 ~ 60°C (-4 ~ 140°F), ambient w/ air flow
Storage Temp.	-40 ~ 80°C (-40 ~ 176°F)
Operating Humidity	10 ~ 95% @ 60°C (non-condensing)
Vibration	MIL-STD-810H, Method 514.8, Category 4, operating
Shock & Crash	MIL-STD-810H, Method 516.8, Procedure I, functional shock=20g, operating
Qualification	
Certification	CE, FCC Class A
Mechanical	
Construction	Metal + Aluminum
Mounting	Wall-mount (standard)
	DIN-rail (optional w/ CTOS bracket)
	VESA (optional w/ CTOS bracket)
Weight	1.1 kg
Dimension (W x D x H)	188 x 120 x 44 mm (7.40" x 4.72" x 1.73")
OS Support	
Windows 10/ Windows11/ Ubuntu	

## Dimension



### Standard Accessories

CLB-2000	Cable-Lock Bracket for ARES-2000 Series
WMK-1973	Wall Mounting Bracket Kit for ARES Series

### Ordering Information

ARES-2000-LAN	ARES-2000 w/ Core 5 120U, 3 x LAN, 3 x USB, 2 x HDMI, 1 x COM, 1 x M.2 M-Key
ARES-2000-CAN	ARES-2000 w/ Core 5 120U, 2 x CANBus, 2 x LAN, 3 x USB, 2 x HDMI, 1 x COM, 1 x M.2 M-Key
ARES-2000-JC1	ARES-2000 w/ Core 5 120U, 1 x AUDIO JACK, 2 x LAN, 5 x USB, 2 x HDMI, 1 x COM, 1 x M.2 M-Key