



ARES-2100 Series

Ultra Compact Fanless Box PC With Wildcat Lake Processors



Features

- Intel® Core™ Processors(Wildcat Lake)
- Integrated NPU for AI acceleration (Up to 17 NPU TOPS)
- 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™ Series 3 Processors
Memory	1 x 262-pin DDR5 SO-DIMM socket up to 64GB
Chipset	SoC
Graphics	Intel® Graphics
LAN Chipset	Intel® i226-LM
Watchdog Timer	1~255 levels reset
TPM	TPM2.0 (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

- ARES-2100-LAN:** 3x 2.5GbE ports
- ARES-2100-CAN:** 2 x 2.5GbE ports
- ARES-2100-JC1 :** 2 x 2.5GbE ports

Video Port

- 2 x HDMI 2.0 (up to 4096 x 2160 @ 60Hz)
- 1 x USB-C 3.2 (up to 4096 x 2160 @ 60Hz) support DP Alt. support up to 3 x simultaneous displays

Expansion

- 1 x M.2 E-key 2230 slot(PCIe Ge4 x1)
- 1 x M.2 B-key 2242/3042 Slot (PCIe x2, USB3.0/USB2.0) + SIM Slot for LTE, via expansion card

CANBus (ARES-2100-CAN Only)

- 2 x 2kV isolated CAN FD via terminal block

Storage

Type	1 x M.2 M-key 2242 slot (PCIe Gen4 x2, SATA) Onboard UFS 3.1 (optional up to 256GB)
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Power Requirement

Power Input	DC 9~36V, DC in + Remote Switch
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Power Consumption	Max. 90W
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Environmental

Operating Temp.	-20 ~ 60°C, ambient w/ air flow
Storage Temp.	-40 ~ 80°C
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
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Mechanical

Construction	Metal + Aluminum
Mounting	Wall-mount (standard) DIN-rail (optional w/ CTOS bracket) VESA (optional w/ CTOS bracket)
Weight	1.1 kg
Dimensions (W x D x H)	188 x 120 x 44 mm (7.40" x 4.72" x 1.73")

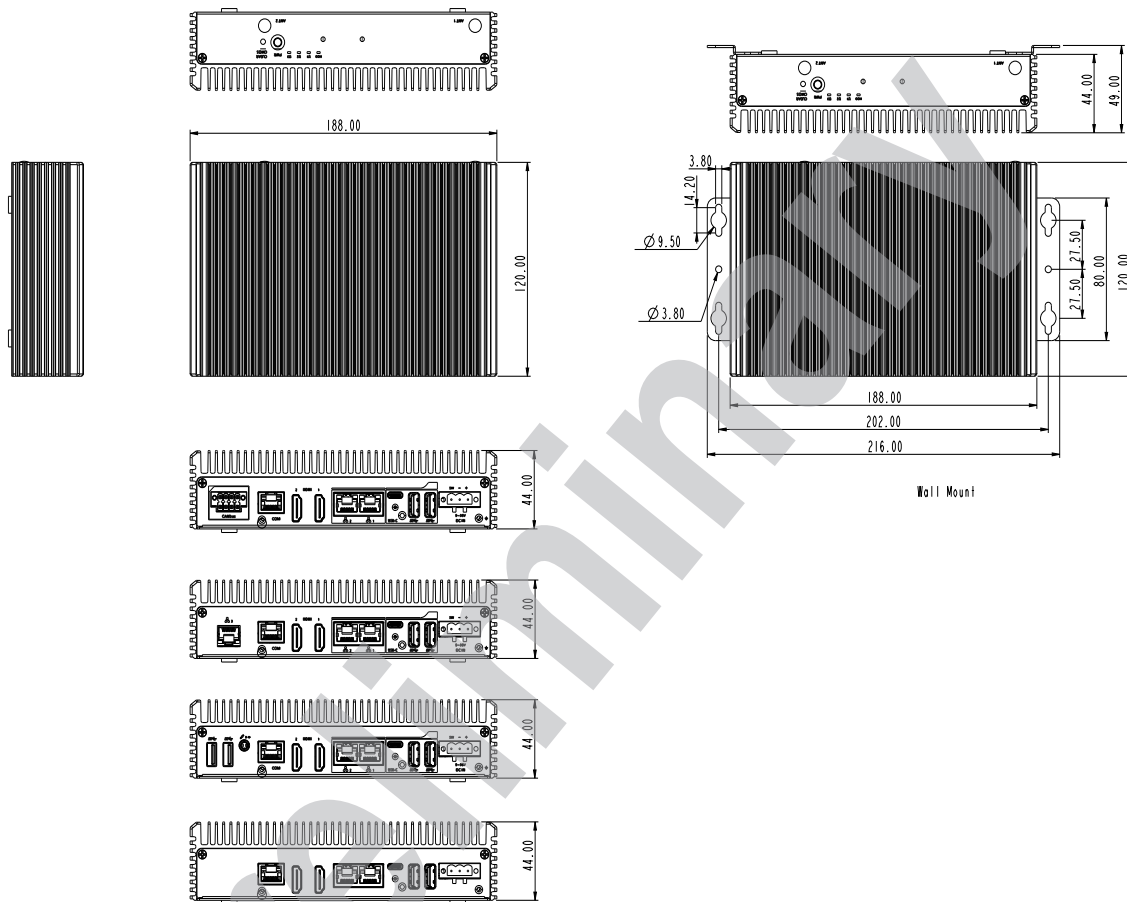
OS Support

Windows 10 / Windows 11 / Ubuntu

Ordering Information

ARES-2100-L3	ARES-2100 w/ 3 x LAN, 3 x USB, 2 x HDMI, 1 x COM, 1 x M.2 M-Key, 1 x M.2 E-Key
ARES-2100-CAN	ARES-2100 w/ 2 x CANBus, 2 x LAN, 3 x USB, 2 x HDMI, 1 x COM, 1 x M.2 M-Key, 1 x M.2 E-Key

Dimensions



Standard Accessories

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

Optional Configuration

PAC-120W6B-FSP-ES	19V/6.3A, 120W AC/DC Adapter Kit
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