ARES-2001

Ultra Compact Fanless BOX PC w/ Intel® Amston Lake SoC Processor



Features

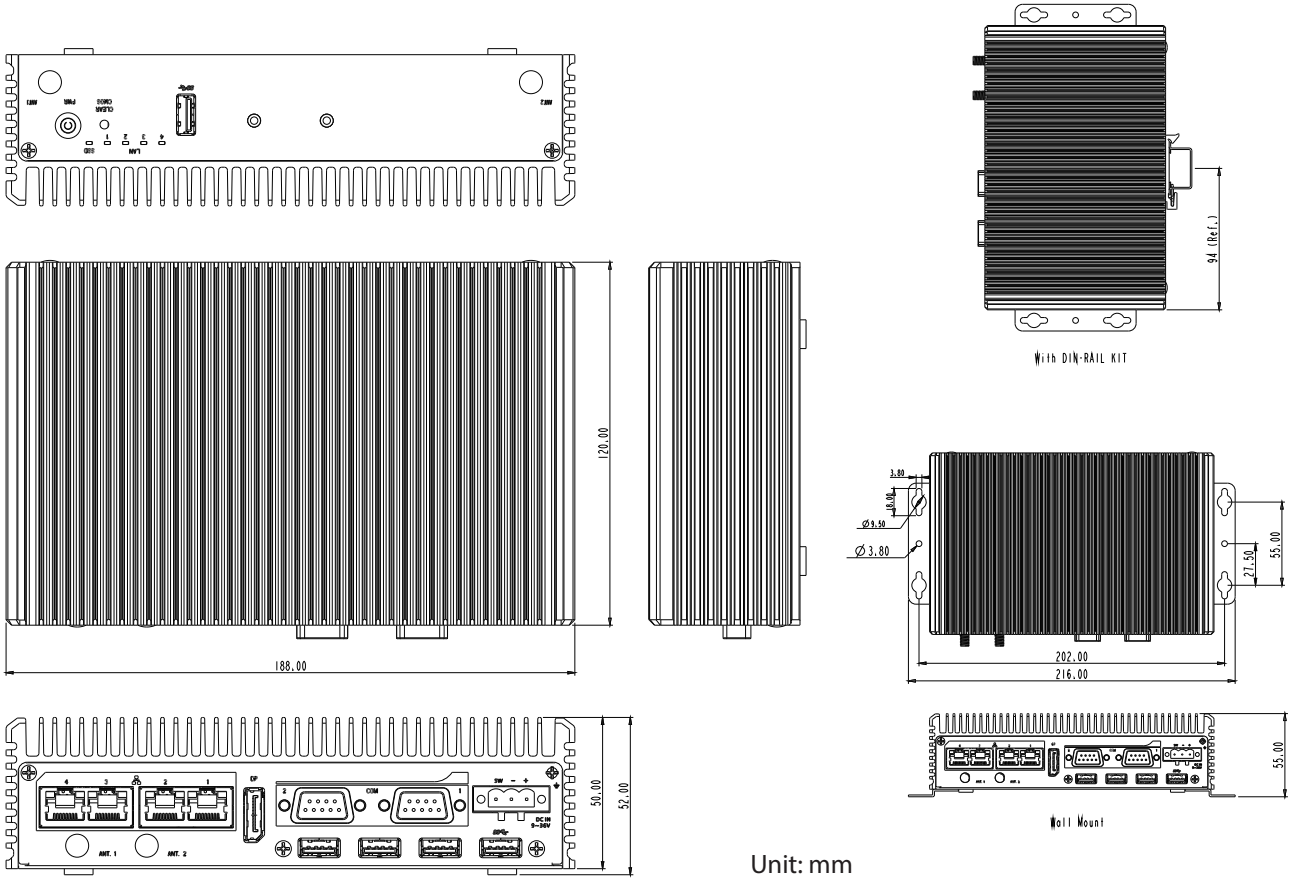
- Intel® Amston Lake processor
- Ultra-Compact & Fanless Design
- Supports 4 x GbE LAN Ports
- Supports 2 x RS232/422/485
- Supports 5 x USB Type-A 3.2

Industrial Automation System

System	
CPU	Intel® Amston Lake x7433RE
Memory	1 x 260-pin DDR4 SO-DIMM socket, up to 32GB
Chipset	SoC
Graphics	Intel® UHD Graphics
LAN Chipset	RealTek RTL8119I-CG
Watchdog Timer	1~255 levels reset
TPM	dTPM 2.0
I/O	
Serial Port	2 x RS232/422/485
USB Port	5 x USB-A 3.2 Gen2
LAN	4 x GbE LAN ports
Video Port	1 x DisplayPort 1.4 up to 4K@60Hz 1 x HDMI, up to 4K@60Hz (optional by project)
Expansion Bus	1 x M.2 E-Key 2230 slot (PCIe x1 + USB2.0)
Storage	
Type	1 x M.2 M-key 2242 slot (SATA)
Power Requirement	
Power Input	DC 9~36V, DC in + Remote control
Environmental	
Operating Temp.	-20 ~ 60°C (-4 ~ 140°F)
Storage Temp.	-40 ~ 80°C (-40 ~ 176°F)
Operating Humidity	10 ~ 95% RH @ 60°C (non-condensing)
Vibration	5 ~ 500 Hz, 1 Grms Random
Shock & Crash	Operating 10G, 11ms Non-operating 30G, 11ms

Qualification	
Certification	CE, FCC Class A, UL62368-1
Mechanical	
Construction	Metal + Aluminum
Mounting	Wall-mount (standard) DIN-Rail (optional w/ CTOS bracket)
Weight	1.7 kg (3.74 lb)
Dimension (W x D x H)	188 x 120 x 50 mm (7.40” x 4.72” x 1.97”)
OS Support	
Windows 10/ Windows11/ Linux Ubuntu	

Dimension



Unit: mm

Standard Accessories

WMK-2000	Wall Mounting Bracket Kit for ARES 2000 Series

Ordering Information

PAC-60W1A-FSP-ES	12V/5A 60W AC/DC power adapter kit
WiFi-RT1550	Realtek RTL8852CE M.2 2230 Wi-Fi 6E + BT 5.4 Module Kit (w/ 2 x 30cm RF Cable)
ANT-T15	1 x Wi-Fi 6E Tri-band 2.4G/5G/6G Dipole Antenna Kit
DRK-2001	DIN Rail Kit FOR ARES-2001