

ARES-530WT

Fanless Embedded Controller with Intel® E3845 /J1900 Processor



Features

- **Fanless, Cable-less and Modularized Design**
- Wide Range DC Power Input (9 ~ 36V)
- Easy Installation/Maintenance
- Wall/Din Rail Mount
- Wide Operating temperature (-40 ~ 85°C)
- UL508 Certified (J1900 SKU)

System	
CPU	Soldered onboard Intel® Celeron® J1900 2GHz Processor or Intel® Atom™ E3845 1.91GHz processor
Memory	1 x 204-pin DDR3L SO-DIMM socket, supporting 1333MHz SDRAM: Atom™ E3845 : up to 4GB Celeron® J1900 : up to 8GB
Graphics	Integrated Intel® HD Graphics
ATA	2 x Serial ATA port with 300MB/s HDD transfer rate
LAN Chipset	2 x Intel i210IT PCIe GbE controllers
Watchdog Timer	1~255 levels reset
I/O	
Serial Port	1 x DB9 male connectors for RS-232/422 1 x DB9 male connectors for RS-422/485
USB Port	5 x USB2.0 type A connectors 1 x USB3.0 type A connector
LAN	2 x RJ-45 ports for GbE
Video Port	1 x VGA connector 1 x DVI-D connector
Expansion Bus	1 x Half size Mini-Card socket 2 x mSATA socket for SSD
Audio	Line-out
Button	1 x Reset button
Environmental	
Operating Temp.	ARES-530WT-J1900: -40 ~ 70°C (-40 ~ 158°F), ambient with air flow ARES-530WT-E3845 -40 ~ 85°C (-40 ~ 185°F), ambient with air flow
Storage Temp.	-40 ~85 °C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Vibration	5~500Hz 3G rms X,Y,Z axis w/SSD, according to IEC 68-2-64
Shock & Crash	40G peak acceleration (11 m sec. duration), operation 60G peak acceleration (11 m sec. duration), non operation According to IEC 68-2-27

Qualification

Certification	CE, FCC Class A UL508 (J1900 SKU)
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Power Requirement

Power Input	DC 9~36V input (w/ 3-pin DC input terminal block)
Power Consumption	13.5W

Storage

Type	2 x mSATA socket
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Mechanical

Construction	Aluminum alloy
Mounting	DIN Rail quick release mounting kit
Weight	1650g
Dimensions (W x D x H)	70 x 125 x 160 mm

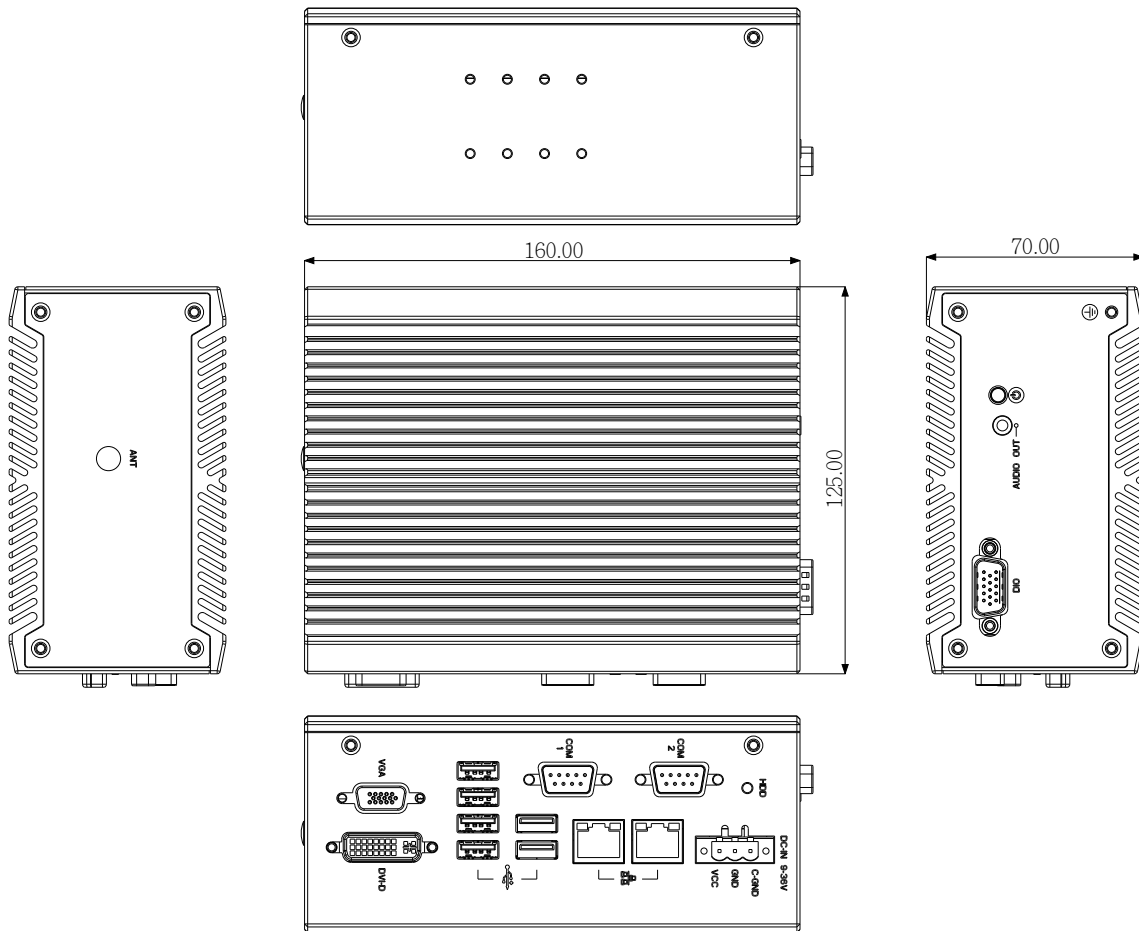
Ordering Information

ARES-530WT-J1900	Barebone system with Intel® Bay Trail Celeron® J1900 DIN Rail controller, 4G Memory Pre-installed
ARES-530WT-E3845	Barebone system with Intel® Bay Trail Atom™ E3845 DIN Rail controller , wide temperature, 4G Memory Pre-installed



Dimensions

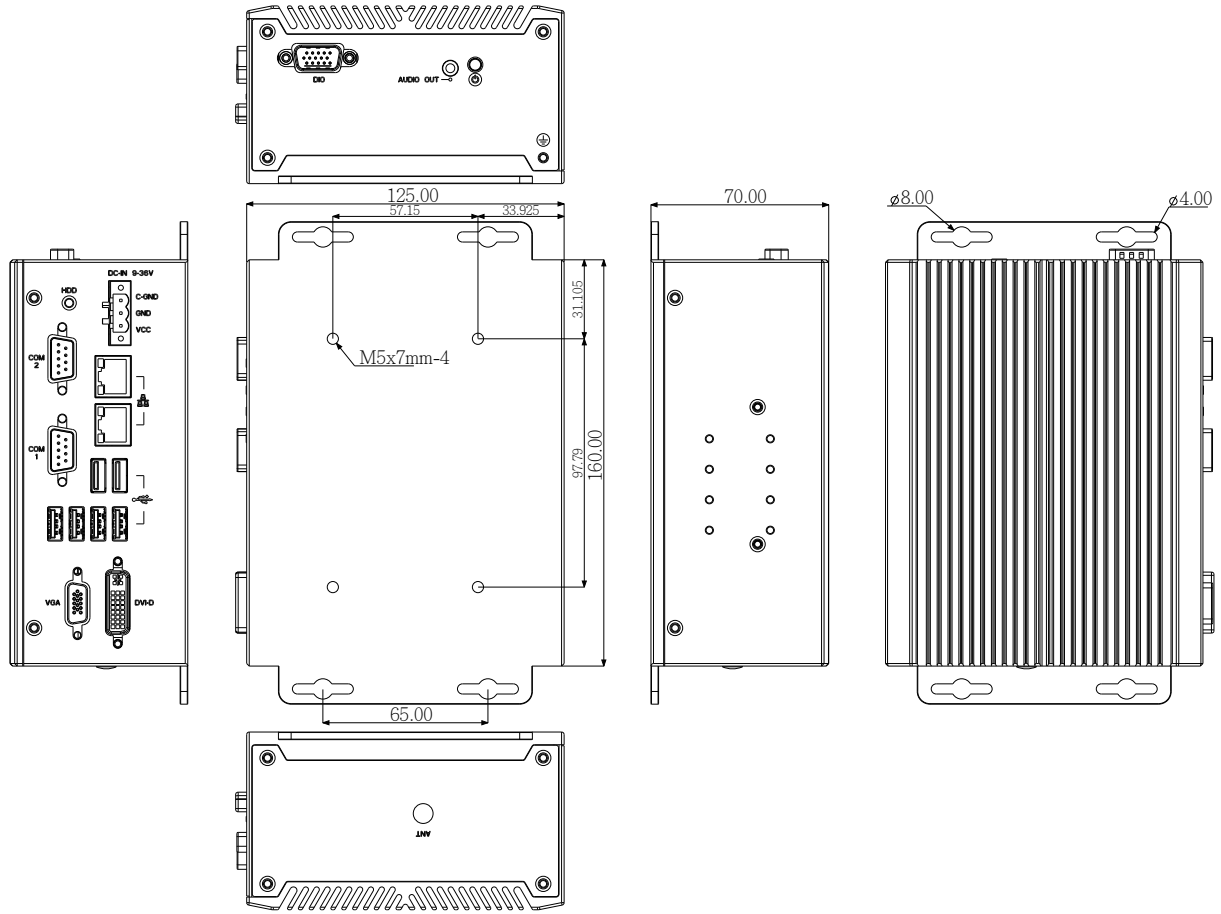
ARES-530WT-J1900





Dimensions

ARES-530WT-E3845



Optional Configuration (CTOS * Kit)

WIFI-AT2300

Atheros AR9462 Wi-Fi module w/ 20cm internal wiring



ANT-D11

1 x Wi-Fi Dual-band 2.4G/5G antenna



16GB SSD

mSATA MLC 16GB

32GB SSD

mSATA MLC 32GB



*CTOS means Configure-to-Order Service.