

# ARES-530-WT

## 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)



<b>System</b>	
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: Celeron® J1900 : up to 8GB / 4G DDR3L memory installed Atom™ E3845 : up to 8GB / 4G WT DDR3L memory installed
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
<b>I/O</b>	
Serial Port	1 x DB9 male connectors for RS-232/422, w/ 3KV isolated protection 1 x DB9 male connectors for RS-422/485, w/ 3KV isolated protection
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
Digital I/O	1 x DB15 male connector For 8 bit DIO (4in/4out), w/ 3.75KV isolated protection
Expansion Bus	1 x Half size Mini-Card socket (w/o USB signal) 2 x mSATA socket for SSD
Audio	Line-out
Button	1 x Reset button
<b>Environmental</b>	
Operating Temp.	ARES-530WT-J1900: -20 ~ 70°C (-4 ~ 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

### OS Support

Windows 7 / Windows 8.1 / Windows 10
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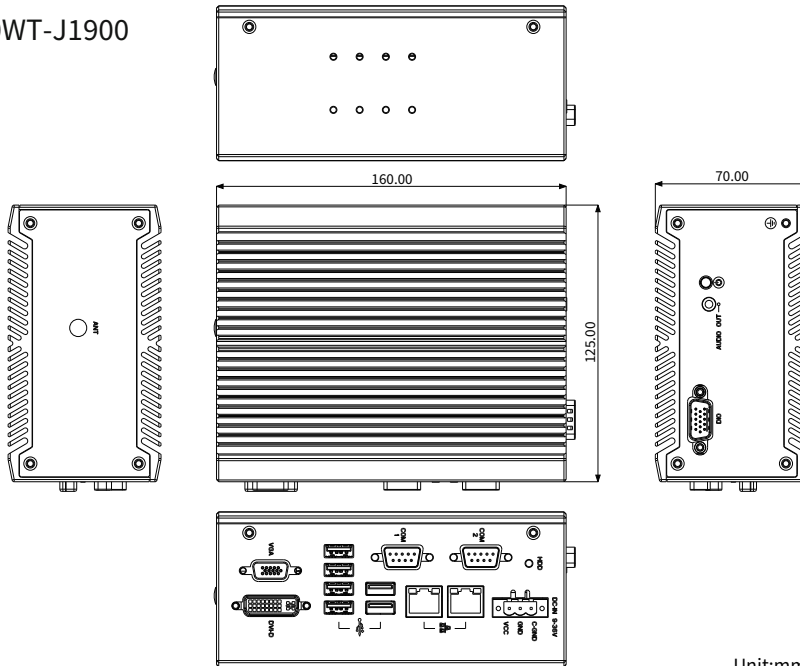
### Ordering Information

ARES-530WT-J1900	Barebone system with Intel® Bay Trail Celeron® J1900 DIN Rail controller
ARES-530WT-E3845	Barebone system with Intel® Bay Trail Atom™ E3845 E3845 DIN Rail controller

# ARES-530-WT

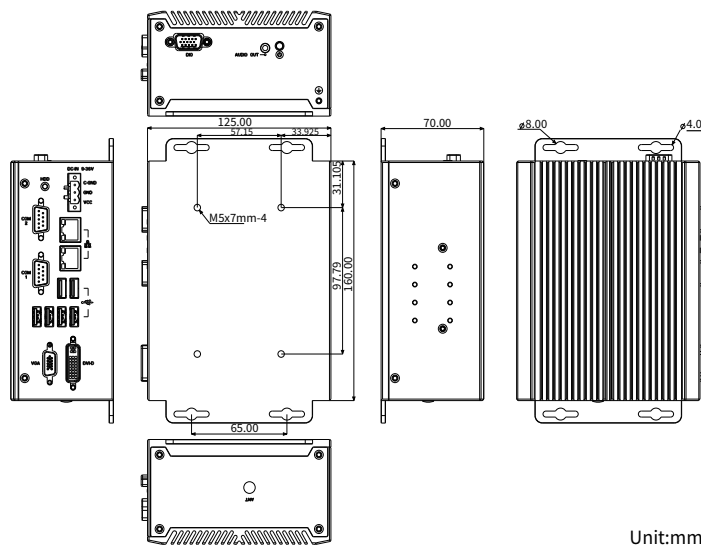
## Dimensions

ARES-530WT-J1900



Unit:mm

ARES-530WT-E3845



Unit:mm

### Standard Accessories

DRK-5300	Al6063	
DIN Rail mounting kit for ARES-5300	DIN Rail 35 mm	

### Optional Configuration (CTOS \* Kit)

PAC-P060W-02	12V/5A, 60W AC/DC adapter kit	
WIFI-AT2300	Atheros AR9462 Wi-Fi module w/ 20cm internal wiring	
ANT-D11	1 x Wi-Fi Dual-band 2.4G/5G antenna	
32GB SSD	mSATA MLC 32GB	

\*CTOS means Configure-to-Order Service.

Last update: September 2020 - Specifications are subject to change without notification