

# ARES-530WT

Fanless Embedded PC with Intel® Celeron® J1900 / Atom™ E3845 CPUs

**BRESSNER**  
A ONE STOP SYSTEMS COMPANY

## Features

- Intel® Celeron® J1900 or Atom™ E3845 CPU
- Up to 8GB 1,333 MHz SDRAM
- System-on-a-chip (SoC)
- Wide range power input (9 ~36V DC)
- Operating temperature: -40 °C ~ 85 °C



## ARES-530WT – Establish wireless connections with an embedded system

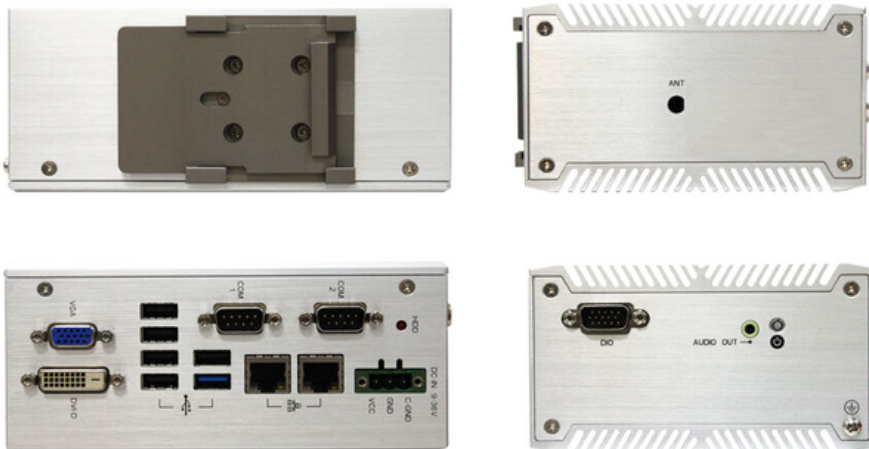
The ARES-530WT is a fanless embedded computer that combines the peak performance of the latest Intel® Atom™ E3845/J1900 processors with minimal energy consumption. This robust system not only delivers impressive computing power but also provides a variety of I/O interfaces within a compact enclosure. Additionally, the casing is mountable on the wall or a DIN rail.

The ARES-530WT offers a wide range of connectivity options, including VGA, DVI-I (supporting both DVI and VGA signals), two Gigabit LAN ports, five USB 2.0 ports, a USB 3.0 port with dedicated bandwidth, and six configurable COM ports (four of which are adjustable via Auto-Flow in the BIOS). Moreover, a 2.5" SATA drive and a CFast slot facilitate effortless integration into various industrial applications.

## Versatile in industrial environments with extensive data communication

The versatility of this industrial PC is further enhanced by dual Mini-PCIe slots and a USIM socket, enabling seamless integration of wireless connections such as Bluetooth, WiFi, and 3G/LTE in a single device. This innovative combination makes the ARES-530WT particularly well-suited for demanding industrial environments with extensive data communication requirements.

Whether in intelligent transport systems, vehicle multimedia systems, or surveillance and factory automation applications, the ARES-530WT impresses with its performance, reliability, and versatility. Rely on advanced technology and optimal connectivity with the embedded PC for your industrial needs.



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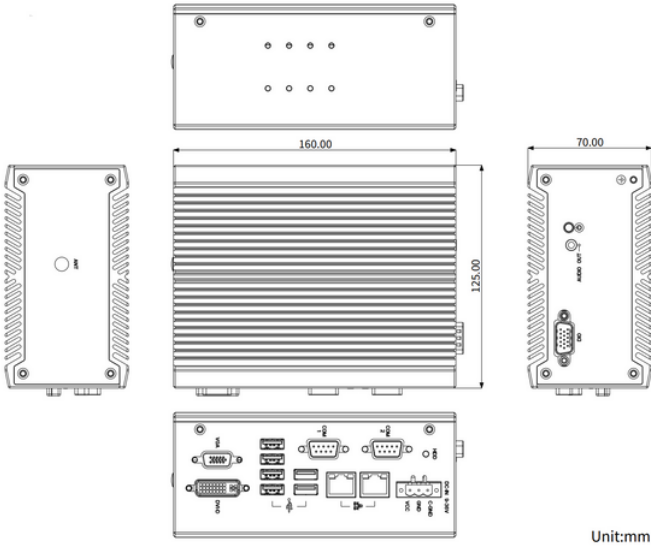
Specifications	ARES-530WT
<b>SYSTEM</b>	
CPU	Soldered onboard Intel® Celeron® J1900 2GHz processor or Intel® Atom™ E3845 1.91GHz processor
Chipset	SoC LAN chipset: 2x Intel® i210IT PCIe GbE controllers
Graphics	Integrated Intel® HD Graphics
RAM	Up to 8GB 1.333 MHz SDRAM (1x 204-pin DDR3L SO-DIMM socket)
Storage	2 x SATA connectors with 300MB/s HDD transfer rate
Watchdog	1~255 levels reset
Expansion	1 x Half size Mini-Card socket (w/o USB signal) 2x mSATA socket for SSD
Operating System	Windows 10, Windows 8.1, Windows 7
<b>INTERFACE</b>	
Ethernet	2x RJ-45 ports for Gigabit Ethernet
USB	5x USB 2.0 1x USB 3.0
COM	1x RS-232/422 1x RS-422/485
Digital I/O	1 x DB15 connector for 8 bit DIO (4in/4out)
Video	1x VGA 1x DVI-D
Audio	1x Line-out
Power	1x 3-pin DC input terminal block
Other	1 x reset button
<b>ENVIRONMENTAL</b>	
Chassis	Aluminium alloy
Cooling	Fanless
Power Supply	Power input: DC 9~36V Power consumption: 13.5W
Operating Temperature	ARES-530WT-J1900: -20 ~ 70°C ARES-530WT-E3845: -40 ~ 85°C
Storage Temperature	-40 ~ 85°C
Vibration / Shock Resistance	Vibration: 5~500Hz 3G rms X,Y,Z axis w/SSD, according to IEC 68-2-64 Shock: 40G (11 ms duration), according to IEC 68-2-27 (operation), 60G (11 ms duration), according to IEC 68-2-27 (non-operation)
Humidity	10 ~ 95% @ 70°C (non-condensing)
Dimensions	70 (W) x 125 (D) x 160 (H) mm
Weight	1.65 kg
Mounting	Wall mount, DIN rail mount
Certifications	CE, FCC Class,UL508 (J1900 SKU)

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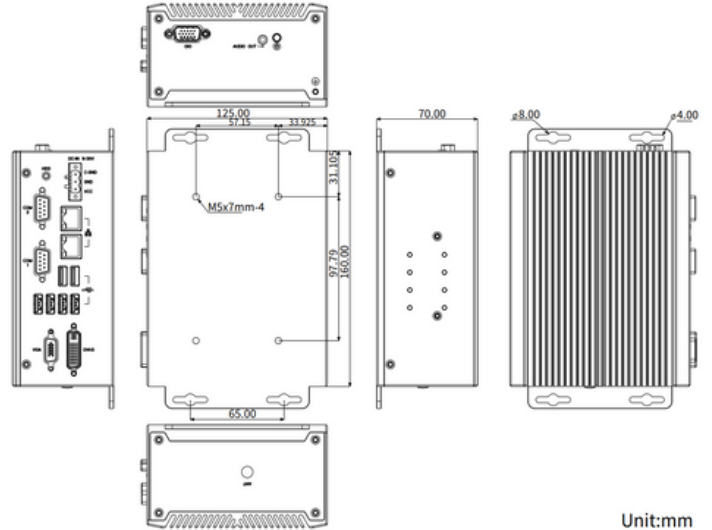
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## ARES-530WT-J1900

## ARES-530WT-E3845



Unit:mm



Unit:mm

Ordering Information	Nuvo-9166GC
<b>MODEL NO.</b>	
ARES-530WT-J1900	Intel® Celeron® J1900
ARES-530WT-E3845	Intel® Atom™ E3845
<b>STANDARD ACCESSORIES</b>	
DRK-5300 DIN Rail mounting kit for ARES-5300	Al6063 DIN Rail 35 mm
<b>OPTIONAL ACCESSORIES (CTOS* Kit)</b>	
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.