

ARES-5300

Programmable Embedded Controller with Intel® Celeron® Processor J1900



System	
CPU	Soldered onboard Intel® Celeron® Processor J1900 2.0GHz
Memory	2GB DDR3L SO-DIMM RAM module installed
Graphics	Integrated in Intel® Core™
LAN Chipset	2 x Intel i210AT PCIe GbE controllers
I/O	
USB 2.0 Port	4 x USB type A connectors (External) 1 x USB type A connector (Internal)
LAN	2 x RJ-45 Gigabit Ethernet ports
Video Port	1 x VGA connector
Expansion Bus	1 x Half size Mini-Card socket(w/o USB)
Environmental	
Operating Temp.	-30 ~ 60°C (-22 ~ 140°F), ambient with air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 60°C (non-condensing)
Vibration	3G rms/5~500Hz /random Operation
Shock	Operating 40G (11 ms) Non-operation 60G with SSD
Qualification	
Certification	CE, FCC Class A
Power Requirement	
Power Input	DC 9~36V input (w/ 2-pin DC input terminal block combine remote power on/off switch)
Power Consumption	Max. 25W
Storage	
Type	1 x mSATA socket 1 x Outside accessible CFast slot

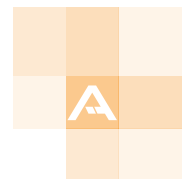
Features

- Fanless, Cable-less and Modularized Design
- Wide Range DC Power Input (9 ~ 36V)
- Easy Installation/Maintenance
- Outside accessible CFast Slot

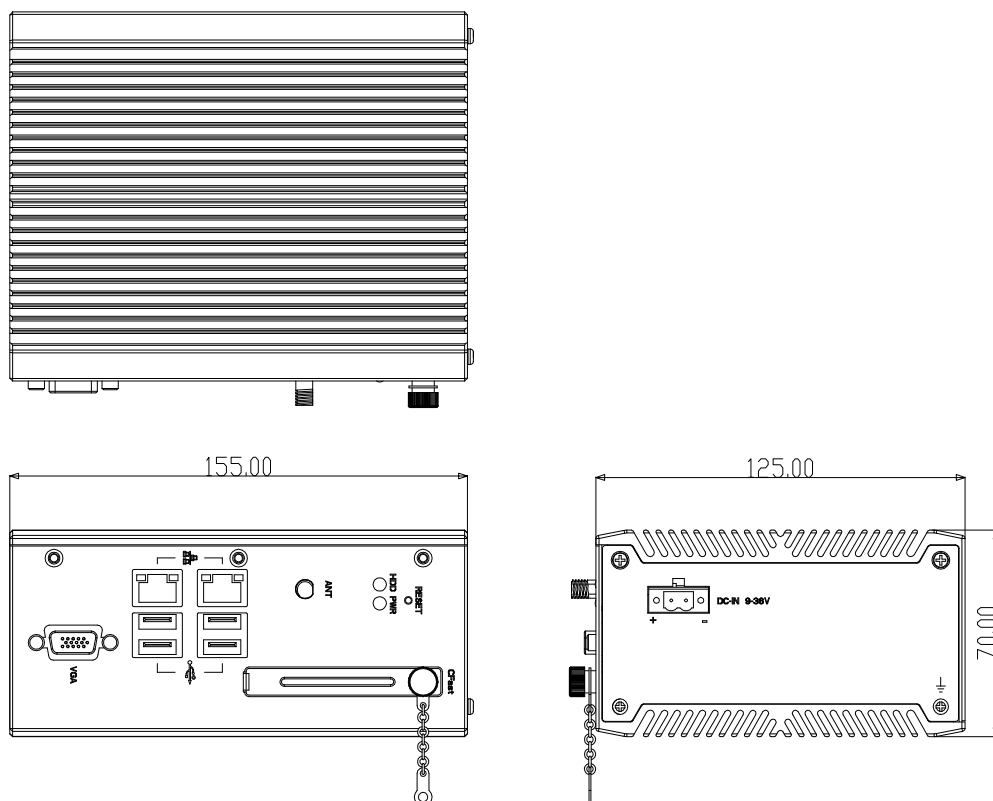
Mechanical	
Construction	Aluminum alloy
Mounting	DIN Rail quick release mounting kit and allow to rotate by 90 degrees
Weight	1555g
Dimensions (W x D x H)	155 x 125 x 70mm
OS Support	
WS7E / W7 Pro / WE8 STD	
Ordering Information	
ARES-5300	ARES-5300 programmable Embedded controller w/ Intel® Celeron® Processor J1900

DIN Rail Mount











Dimensions



Standard Accessories

DRK-5300	SPCC+Ni, AI6063	
DIN Rail mounting kit for ARES-5300	DIN Rail 35 mm	

Optional Configuration (CTOS * Kit)

PAC-B065W-1	19VDC, 3.4A, 65W AC/DC adapter kit	
WIFI-AT2300	Atheros AR9462 Wi-Fi module w/ 20cm internal wiring	
ANT-H11	1 x 2dBi HSUPA antenna	
ANT-D11	1 x Wi-Fi Dual-band 2.4G/5G antenna	
MM-3L-2G	DDR3L-1333 2GB SDRAM	
MM-3L-4G	DDR3L-1333 4GB SDRAM	
16GB SSD	mSATA MLC 16GB	
32GB SSD	mSATA MLC 32GB	

*CTOS means Configure-to-Order Service.