ARES-5300

Programmable Embedded Controller with Intel® Celeron® Processor J1900

Features

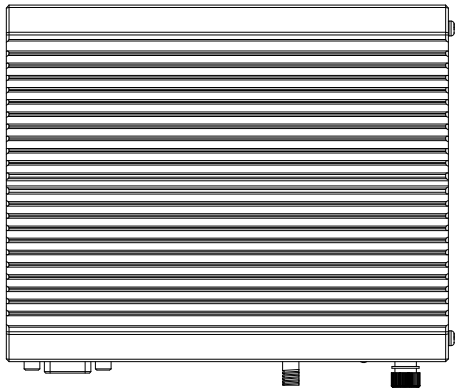
- **Fanless, Cable-less and Modularized Design**
- Wide Range DC Power Input (9 ~ 36V)
- Easy Installation/Maintenance
- Outside accessible CFast Slot

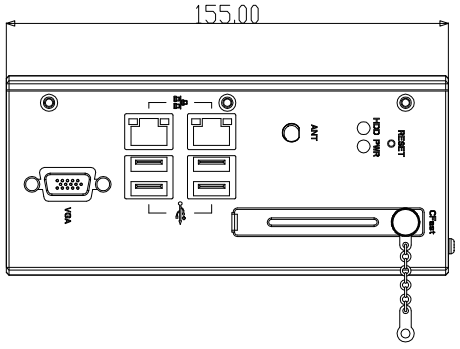
System	
CPU	Soldered onboard Intel® Celeron® Processor J1900 2.0GHz
Memory	1 x 204-pin DDR3L SO-DIMM socket, supporting 1333MHz SDRAM up to 8GB
Graphics	Integrated in Intel® Core™
LAN Chipset	2 x Intel i210AT PCIe GbE controllers
I/O	
USB Port	4 x USB type A connectors (External) 1 x USB type A connector (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

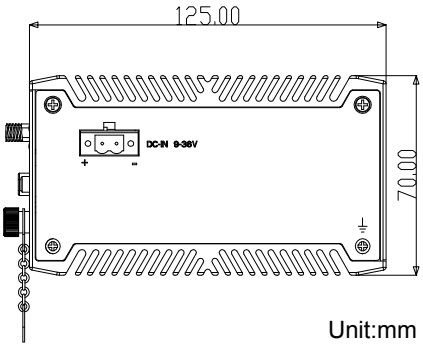
Qualification	
Certification	CE, FCC Class A, UL 508
Power Requirement	
Power Input	DC 9~36V input (w/ 2-pin DC input terminal block combine remote power on/off switch)
Power Consumption	Max. 25W
Storage	
Type	1 x mSATA socket
	1 x Outside accessible CFast slot
Mechanical	
Construction	Aluminum alloy
Mounting	DIN Rail quick release mounting kit and can allow to rotate by 90 degrees
Weight	1.5 kg (3.428 lb)
Dimensions (W x H x D)	155 x 70 x 125 mm (6.10" x 2.75" x 4.92")
OS Support	
Windows 7 / Windows 8.1 / Windows 10	
Ordering Information	
ARES-5300	ARES-5300 programmable Embedded controller w/ Intel® Celeron® Processor J1900

DIN Rail Mount

Dimensions







Unit:mm

Standard Accessories		
DRK-5300 DIN Rail mounting kit for ARES-5300	SPCC+Ni, Al6063 DIN Rail 35 mm	
Optional Configuration (CTOS * Kit)		
PAC-P060W-2	12V/5A, 60W AC/DC adapter kit	
16GB SSD	mSATA MLC 16GB	
32GB SSD	mSATA MLC 32GB	
MM-3CL-2G	DDR3L-1600 2GB SDRAM	
MM-3CL-4G	DDR3L-1600 4GB SDRAM	
MM-3CL-8G	DDR3L-1600 8GB SDRAM	
WiFi-AT2300	Atheros AR9462 Wi-Fi module w/ 20cm internal wiring	
ANT-D11	1 x Wi-Fi Dual-band 2.4G/5G antenna	

**CTOS means Configure-to-Order Service.*