

ARES-5300

Programmable Embedded Controller with Intel® Celeron® Processor J1900



Features

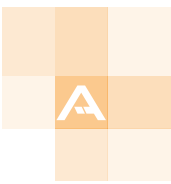
- **Fanless, Cable-less and Modularized Design**
- Wide Range DC Power Input (9 ~ 36V)
- Easy Installation/Maintenance
- Outside accessible CFast Slot

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

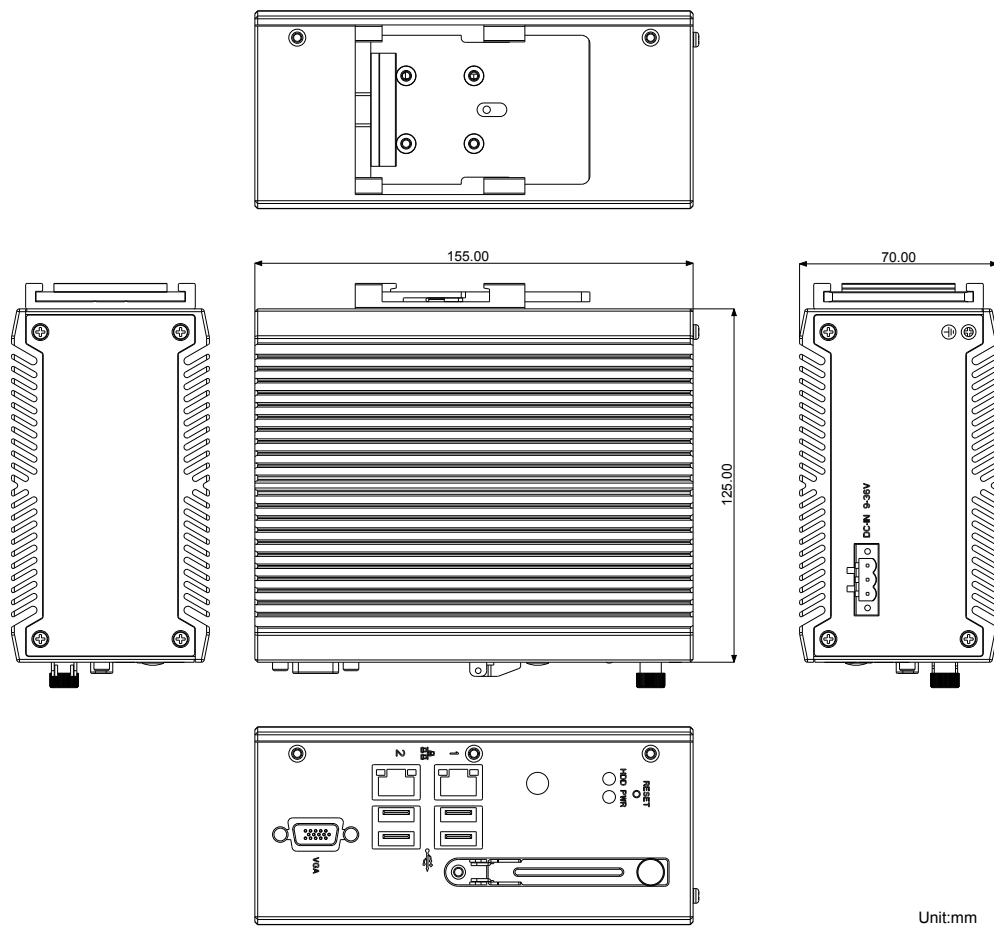
Qualification	
Certification	CE, FCC Class A, UL 508
Power Requirement	
Power Input	DC 9~36V input (w/ 3-pin DC input terminal block)
Power Consumption	Max. 25W
Storage	
Type	1 x mSATA socket 1 x Outside accessible CFast slot
Mechanical	
Construction	Aluminum alloy
Mounting	DIN Rail quick release mounting 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



Standard Accessories

DRK-5300	AI6063
DIN Rail mounting kit for ARES-5300	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.

Mouser Electronics

Authorized Distributor

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[ARBOR Technology:](#)

[ARES-5300 R1.1](#) [ELPP-0101-C224](#)