



ARES-1970-E

Fan-Less Embedded Controller with 6th Generation Intel® Core™ Processors

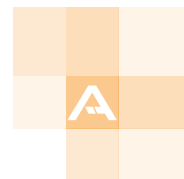


Features

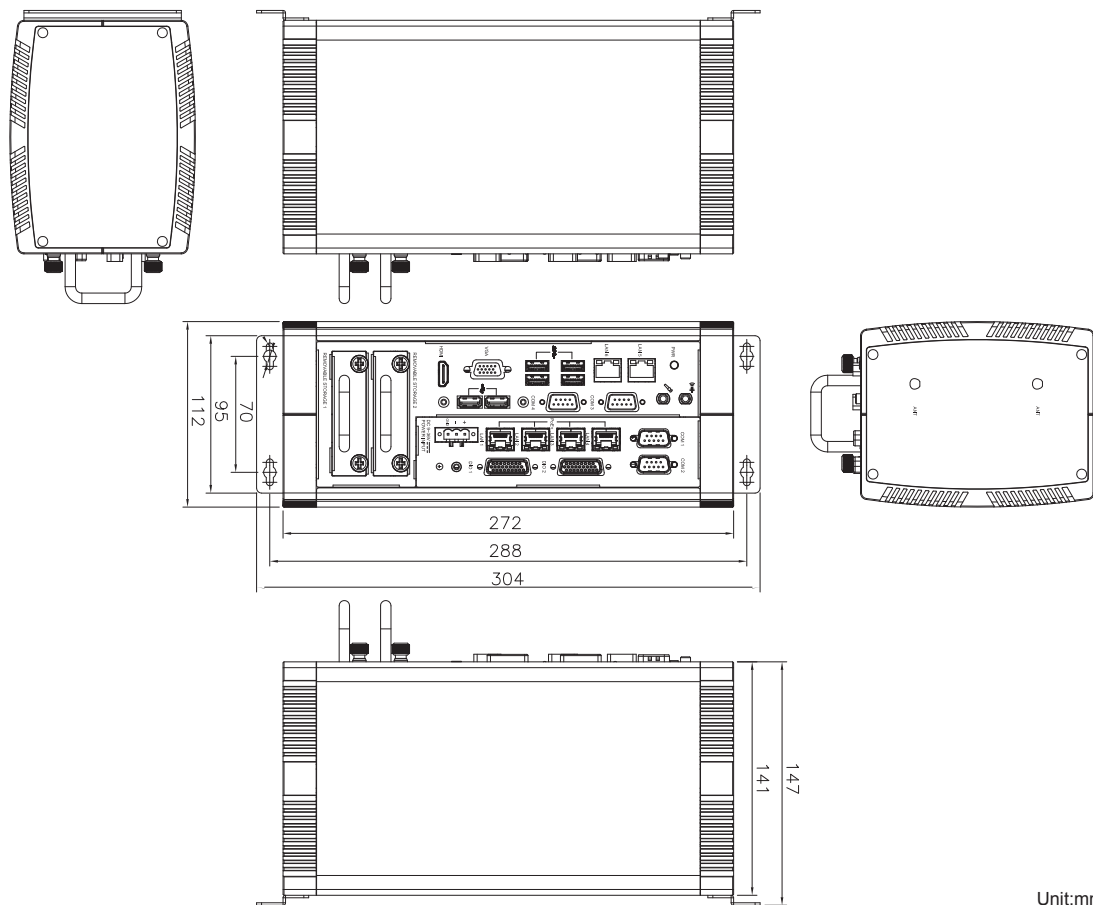
- 6th generation Intel® SkyLake-U platform
- Compact & fan-less design
- 4 x USB3.0 combo ports
- Dual Gbe Ethernet LANs connectivity
- Multi COMs
- 4 x PoE Gbe Ethernet w/ 802.3af compliant designed for GigE camera
- Raid 0/1 support

System	
CPU	Intel® Core™ i7-6600U Processor Intel® Core™ i5-6300U Processor Intel® Core™ i3-6100U Processor
Memory	SO-DIMM 260Pin modules x 1 Supports up to 8GB DDR4 -2133MHz
Chipset	Intel® SoC
Graphics	Integrated Intel® HD Graphics 520
LAN Chipset	1 x Intel® i219LM PCIe controller w/ iAMT 11.0 1 x Intel® i210IT PCIe controller 4 x Intel® i210IT PCIe controller for PoE
Watchdog Timer	1~255 levels reset
I/O	
Serial Port	4 x RS-232/422/485 ports
USB Port	4 x USB3.0/2.0 ports 2 x USB2.0 Ports
Video Port	1 x HDMI 1 x VGA
Audio	Mic-in / Line-out
D-IO	16 x DI, 16 x DO
Expansion Bus	1 x mSATA (SATA, Full Size) 1 x mPCIe (PClex1+USB2.0, Full Size) 1 x mPCIe (PClex1+USB2.0, Half Size)
Environmental	
Operating Temp.	-20 ~ 55°C (-4 ~ 131°F)
Storage Temp.	-40 ~ 80°C (-40 ~ 176°F)
Operating Humidity	10 ~ 95% @ 55°C (non-condensing)
Vibration	5~500Hz 3G rms X,Y,Z axis w/SSD, according to IEC 68-2-64
Shock & Crash	10G peak acceleration (11 m sec. duration), operation 30G peak acceleration (11 m sec. duration), non operation According to IEC 68-2-27

Qualification	
Certification	CE, FCC Class A
Power Requirement	
Power Input	DC 19~36 Input (3-PIN Terminal Block)
Power Consumption	80W (w/o I/O card)
Storage	
Type	1 x mSATA 2 x 2.5" removable drive bays for SATA SSD, support RAID 0/1
Mechanical	
Construction	Aluminum alloy
Mounting	Wall-Mount
Weight	3.73kg (8.22lb)
Dimensions (W x D x H)	141 x 112 x 272 mm (5.55" x 4.41" x 10.71")
OS Support	
Windows 7 / Windows 8.1 / Windows 10, Linux: Ubuntu (Kernel: 3.1X)	
Ordering Information	
ARES-1970-E	ARES-1970-E 6 th Intel® Core-i bare-bone, with extended I/O, 19~36V Input



Dimensions



Unit:mm

Standard Accessories

WMK-1970 Wall-mount kit for ARES-1970-E



Optional Accessories

PAC-120W6B-FSP 19V/6.32A 120W AC/DC adapter kit



32 GB SSD mSATA MLC 32GB



MM-4C-4G 260-pin DDR4-2133 4GB SO-DIMM



MM-4C-8G 260-pin DDR4-2133 8GB SO-DIMM



DRK-002 Din Rail mounting kit for ARES-1970



*CTOS means Configure-to-Order Service.