

BPC-300-AR1970



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/ 802.3at/af 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 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 (PCIex1+USB2.0, Full Size) 1 x mPCIe (PCIex1+USB2.0, Half Size)
Environmental	
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Vibration	5~500Hz 3G rms X,Y,Z axis w/SSD, according to IEC 68-2-64 10G peak acceleration (11 m sec. duration), operation
Shock & Crash	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 9~36 Input (3-PIN Terminal Block)
Power Consumption	TBD
Storage	
Type	1 x mSATA, 2 x SATA (outside accessible)
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 / 8 / 10 / Linux: Ubuntu	

Ordering Information

BPC-300-AR1970-i3 with Intel® Core i3-6100U, RAM, Storage

BPC-300-AR1970-i5 with Intel® Core i5-6300U, RAM, Storage

BPC-300-AR1970-i3 with Intel® Core i7-6600U, RAM, Storage



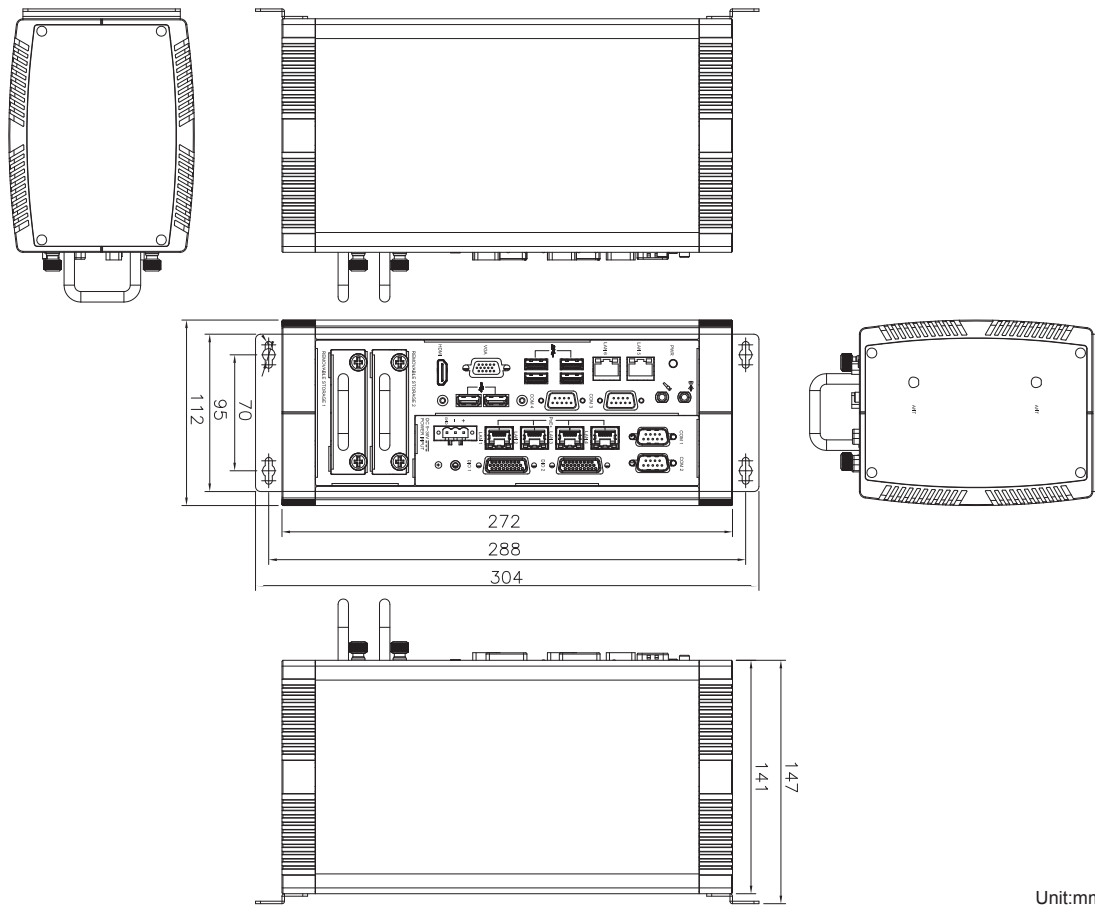
Alptech Elektronik GmbH



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Dimensions



Unit:mm

Standard Accessories

WMK-1970 Wall-mount kit



Optional Accessories

32 GB SSD mSATA MLC 32GB (or more)



MM-4C-4G DDR4L-2133 4GB SDRAM



MM-4C-8G DDR4L-2133 8GB SDRAM



PAC-P120W 19V/ 120W AC/DC adapter kit



DRK-002 Din Rail mounting kit



*CTOS means Configure-to-Order Service.