

Eagle Eyes-AIM

6th/7th Gen Intel® Core™ U Series Processor Fanless Box Computer



Features

- 6th/7th Gen Intel® platform (formerly Skylake/Kaby Lake), Core™ U series processor
- Intelligent eKit with AI function to monitor system health via DDM
- Special Power Design:
 - Wide voltage 9~36V DC input
 - RVP/OVP/UVI/OCF support
 - Surge protection: 80V/1ms
 - Power ignition control
- Easy Expansion & Installation:
 - Remote on/off power switch with LED
 - Easily replaceable RTC battery holder
 - 2x SIM push-push slots



I/O Comparison Chart

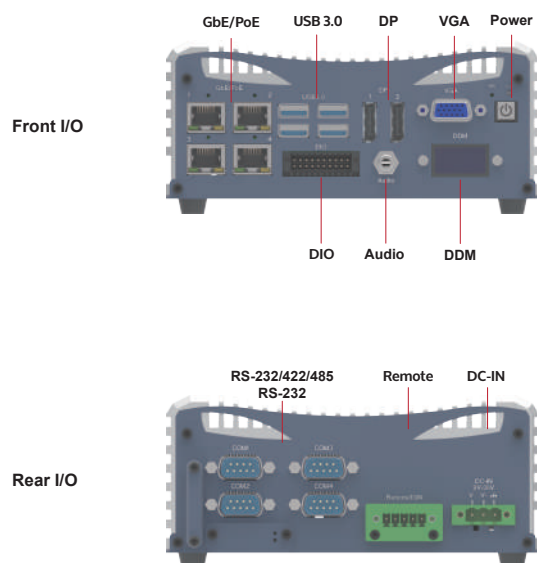
Model Name	DP	VGA	GbE (RJ45)	GbE / PoE (RJ45)	DIO	USB 3.0	RS-232	RS-232 / 422 / 485	Internal 2.5" Disk Bay
AIM6-Pi	2	1	0	4	8-bit isolated DI & 8-bit isolated DO	4	2	2	1
AIM6-P	2	1	0	4	16-bit DIO	4	2	2	1
AIM6-i	2	1	4	0	8-bit isolated DI & 8-bit isolated DO	4	2	2	1
AIM6	2	1	4	0	16-bit DIO	4	2	2	1
AIM6-P2i	2	1	0	2	8-bit isolated DI & 8-bit isolated DO	4	2	2	1
AIM6-P2	2	1	0	2	16-bit DIO	4	2	2	1

Specifications

System	
6th Gen Intel® Core™ (formerly Skylake U-Series)	Core™ i7-6600U (2/4 Cores, 2.6 GB/3.4 GHz, 4M Cache, 15W TDP)
	Core™ i5-6300U (2/4 Cores, 2.4 GHz/3.0 GHz, 3M Cache, 15W TDP)
	Core™ i3-6100U (2/4 Cores, 2.3 GHz, 3M Cache, 15W TDP)
	Celeron® 3955U (2/2 Cores, 2.0 GHz, 2M Cache, 15W TDP)
7th Gen Intel® Core™ (formerly Kaby Lake U-Series)	Core™ i7-7600U (2/4 Cores, 2.8 GB/3.9 GHz, 4M Cache, 15W TDP)
	Core™ i5-7300U (2/4 Cores, 2.6 GHz/3.5 GHz, 3M Cache, 15W TDP)
	Core™ i3-7100U (2/4 Cores, 2.4 GHz, 3M Cache, 15W TDP)
	Celeron® 3965U (2/2 Cores, 2.2 GHz, 2M Cache, 15W TDP)
Memory	1x SO-DIMM DDR4 2133 (32GB Max.)
	Intel® HD Graphics 510 (3955U)
	Intel® HD Graphics 520 (Skylake)
	Intel® HD Graphics 610 (3965U)
Graphic	Intel® HD Graphics 620 (Kaby Lake)
	AMI 128Mbit SPI BIOS
BIOS	
AI Controller (AIC)	
Watchdog Timer	
TPM (optional)	
Power	
DC Input	
Surge Protection	
Power in Protection	
Remote/ignition	
Power Mode	
Mechanical	
Dimensions (W x D x H)	
Weight (net/gross)	
Mounting	
Construction	
Battery	
Dynamic Display Module (DDM)	
External I/O	
Display Ports / Resolution	
Triple Display Ports Combinations	
Ethernet	
PoE (optional)	
USB 3.0/2.0	
COM	
Digital I/O	
Audio	
SIM	

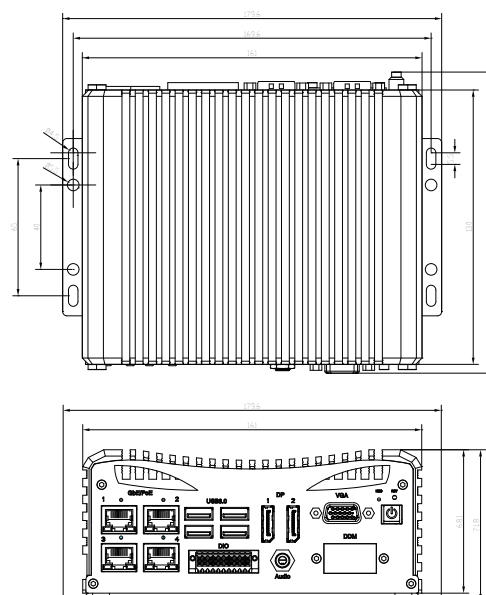
Storage	
Internal Drive Bay	
mSATA	
M.2	
Expansion slot	
Mini-PCIe	
Other	
USB 2.0 Dongle	
Antenna	
LED	
Environment	
Operating Temperature	
Storage Temperature	
Relative Humidity	
Vibration During Operation (IEC60068-2-64: Random 5~500Hz)	
Shock During Operation (IEC60068-2-27: Half Sine, 11ms Duration)	
Certification	
EMC	
Safety Certifications	
OS Support	
Optional OS Installation	

I/O Interfaces



Dimensions

Units: mm



Ordering Information

	Model Name	Remark: Following models include Intel® 6th gen. Skylake U (SKL-U) platform, 2x DP, 1x VGA, 4x USB 3.0, 2x RS-232/422/485, 2x RS-232
AIM6-Pi Barebone System	AIM6-6600Pi	Core™ i7-6600U CPU, 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6300Pi	Core™ i5-6300U CPU, 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6100Pi	Core™ i3-6100U CPU, 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-3955Pi	Celeron® 3955U CPU, 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIM6-P Barebone System	AIM6-6600P	Core™ i7-6600U CPU, 4x GbE/PoE(RJ45), 16-bit DIO
	AIM6-6300P	Core™ i5-6300U CPU, 4x GbE/PoE(RJ45), 16-bit DIO
	AIM6-6100P	Core™ i3-6100U CPU, 4x GbE/PoE(RJ45), 16-bit DIO
	AIM6-3955P	Celeron® 3955U CPU, 4x GbE/PoE(RJ45), 16-bit DIO
AIM6-i Barebone System	AIM6-6600i	Core™ i7-6600U CPU, 4x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6300i	Core™ i5-6300U CPU, 4x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6100i	Core™ i3-6100U CPU, 4x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-3955i	Celeron® 3955U CPU, 4x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIM6 Barebone System	AIM6-6600	Core™ i7-6600U CPU, 4x GbE(RJ45), 16-bit DIO
	AIM6-6300	Core™ i5-6300U CPU, 4x GbE(RJ45), 16-bit DIO
	AIM6-6100	Core™ i3-6100U CPU, 4x GbE(RJ45), 16-bit DIO
	AIM6-3955	Celeron® 3955U CPU, 4x GbE(RJ45), 16-bit DIO
AIM6-P2i Barebone System	AIM6-6600P2i	Core™ i7-6600U CPU, 2x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6300P2i	Core™ i5-6300U CPU, 2x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-6100P2i	Core™ i3-6100U CPU, 2x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIM6-3955P2i	Celeron® 3955U CPU, 2x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIM6-P2 Barebone System	AIM6-6600P2	Core™ i7-6600U CPU, 2x GbE/PoE(RJ45), 16-bit DIO
	AIM6-6300P2	Core™ i5-6300U CPU, 2x GbE/PoE(RJ45), 16-bit DIO
	AIM6-6100P2	Core™ i3-6100U CPU, 2x GbE/PoE(RJ45), 16-bit DIO
	AIM6-3955P2	Celeron® 3955U CPU, 2x GbE/PoE(RJ45), 16-bit DIO

Optional Accessories

(Please contact sales representative)

Isolated Module

iDIO-8I8O 8-bit isolated DI & 8-bit isolated DO module

AC-DC Power Adapter

ADT-24V60-T3A	24V/60W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V90-T3A	24V/90W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V120-T3A	24V/120W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V160-T3A	24V/160W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V220-T3A	24V/220W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V280-T3A	24V/280W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug

AC Power Cord

PCBL-B12	YP12-YC12:category B type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, TW/JP/US/CA/TH/PH/Central America
PCBL-D03	YP03-YC12:category D type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, CN
PCBL-D35	YP35-YC12:category D type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, AU/NZ
PCBL-G22	YP22-YC12:category G type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, DE
PCBL-I61	YP61-YC12:category I type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, UK/HK/MO/SG/MY

SO-DIMM Memory	DDR4-2133/2400 2GB/4GB/8GB/16GB/32GB
SSD	mSATA SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB
	M.2 SATA SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB
	2.5 inch HDD: 500GB/1TB/1.5TB/2TB
Wireless Module	Mini-PCIe wireless module for 3G/4G LTE/Wi-Fi/BT/NB-IoT/GPS/BDS
Cable	
CBL-S01	SATA (Data + Power) cable x1
TBP5-S03	3-Pin, pitch5.08mm Female Terminal Block Plug for DC input x1
TBP3-S05	5-Pin, pitch3.81mm Female Terminal Block Plug for Remote Connector x1
TBP3-D20	2x10-Pin, pitch3.5mm Female Terminal Block Plug for DIO Connector x1
Mounting Kit	
WBK-AIM	Wall Mount Bracket x2 with M2.5x5 screws x4

Packing List

Item No.	
1	Eagle Eyes Embedded Box PC AIM x1
2	Rubber Foot x4 with M2.5x5 screws x4

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