

6th Gen Intel® Core™ (formerly Skylake U-Series)

Eagle Eyes-IMG

PRODUCT BROCHURE

7th Gen Intel® Core™ (formerly Skylake U-Series)



Memory

Graphics

6th/7th gen Intel® processor (formerly Skylake/Kaby Lake), Xeon E3/Core i7, i5, i3, Pentium and Celeron processor

Part number: AIMGG

Features

Core™ i7-6600U (2/4 Cores, 2.6 GHz/3.4 GHz, 4M Cache)
 Core™ i5-6300U (2/4 Cores, 2.4 GHz/3.0 GHz, 3M Cache)
 Core™ i3-6100U (2/4 Cores, 2.3 GHz, 3M Cache, 15W)
 Celeron® 3955U (2/2 Cores, 2.0 GHz, 2M Cache, 15W)
 Core™ i7-7600U (2/4 Cores, 2.6 GHz/3.4 GHz, 4M Cache)
 Core™ i5-7300U (2/4 Cores, 2.4 GHz/3.0 GHz, 3M Cache)
 Core™ i3-7100U (2/4 Cores, 2.3 GHz, 3M Cache, 15W)
 Celeron® 3965U (2/2 Cores, 2.0 GHz, 2M Cache, 15W)

1x SO-DIMM DDR4 2133 (32GB Max.)
 Intel® HD Graphics 510 (3955U)
 Intel® HD Graphics 520 (Skylake)
 Intel® HD Graphics 610 (3965U)
 Intel® HD Graphics 620 (Kaby Lake)

BIOS

AI Controller (AIC)

Watchdog Timer

TPM (optional)

Power

DC Input

Surge Protection

Power in Protection

Remote/Ignition

Power Mode

Mechanical

Dimensions (WxDxH)

Weight (net/gross)

Mounting

Construction

Battery

Dynamic Display Module (DDM)

- 6th/7th gen Intel platform (Skylake/Kaby Lake), Xeon E3/Core i7, i5, i3, Pentium and Celeron processor
- Supports LG A1151 socket desktop processor up to 35W
- Intelligent eKit with AI function to monitor system health via DDM
- Special Power Design:
 - Wide voltage 9~36V DC input
 - RVP/OVP/UVP/OCP support
 - Surge protection: 200V/1ms
 - Power ignition control
- Easy Expansion & Installation:
 - One side bezel access and easy cable management
 - Easily replaceable RTC battery holder
 - 3x SIM push-push slots

Multi-Platform (SMBIOS)
 BIOS System Monitoring and predictive analysis
 Runtime: 10 – 65535 seconds
 Powerup: 120 – 65535 seconds
 SLB9665 (TPM 2.0) / SLB9635 (TPM 1.2)

External IO

Display Ports / Resolution

Triple Display Ports Combinations

Ethernet

PoE (optional)

USB 3.0/2.0

COM

2x DP/4096x2304 @60Hz
 1x VGA/1920x1200 @60Hz
 2x DP + 1x VGA
 2x RJ45 GbE (Intel® i219 + Intel® i210) / Wake-on-LAN
 6x RJ45 GbE (1x Intel® i219 + 5x Intel® i210) / Wake-on-LAN
 4x RJ45 GbE PoE+ (Intel® i210) 802.3at support up to 30W
 4x USB 3.0 ports via native XHCI controller (0.9A ea)
 2x RS-232/422/485 (auto flow control), 1x RS-232 port

* All product specifications are subject to change without notice

Digital I/O	16-bit programmable DIO (AIMG-6RP4, AIMG-6R) 8-bit isolated DI & 8-bit isolated DO, sink/source mod
Audio	ALC892 HD audio codec, Mic in, Line out
SIM	2x SIM push-push slots
Storage	
Internal Drive Bay	1x internal SATA port for 2.5" HDD/SSD
mSATA	1x mSATA (muxed with Mini-PCIe)
M.2	1x M.2 M Key 2242
Expansion Slot	
Mini-PCIe	1x full length Mini-PCIe (PCIe/mSATA + USB + USIM) 1x full length Mini-PCIe (PCIe + USB + USIM)
Other	
USB 2.0 Dongle	Internal 1x USB 2.0 for dongle security key
Antenna	4x antenna openings
LED	Power status, HDD status, IO status
Environment	
Operating Temperature	Standard: -20°C to 50°C (-4°F~122°F), supports 15V
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	95% @ 40°C (104°F), non-condensing
Vibration During Operation	5Grms with SSD (IEC60068-2-64: random 5~500Hz)
Shock During Operation	50Grms with SSD (IEC60068-2-27: Half Sine, 11ms)
Certification	
EMC	CE/FCC Class A
Safety Certifications	CB
OS Support	
Windows	Windows 7 32-bit/64-bit (Skylake only)
	Windows 8.1 32-bit/64-bit (Skylake only)
	Windows Embedded Standard 7(Skylake only)
	Windows Embedded 8 Standard (Skylake only)
	Windows 10 64-bit
	Windows 10 IoT
Linux	Linux

System

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Email: sales@vetron.com.au

ABN: 21 141 474 017

Business number +61 (07) 5576 3672

Head Office: Unit 2, 62 Township Drive, West
Burleigh. Qld. 4219.



Ordering Information:

	Model Name	* Following models include Intel® 6th Gen Skylake U (SKL-U) platform SATA port for 2.5" HDD/SSD
	AIMG6-6600-6RP4i	CoreTM i7-6600U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit is
AIMG6-6RP4i	AIMG6-6300-6RP4i	CoreTM i5-6300U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit is
Barebone System	AIMG6-6100-6RP4i	CoreTM i3-6100U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit is
	AIMG6-3955-6RP4i	Celeron® 3955U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit is
	AIMG6-6600-6RP4	CoreTM i7-6600U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit
AIMG6-6RP4	AIMG6-6300-6RP4	CoreTM i5-6300U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit
Barebone System	AIMG6-6100-6RP4	CoreTM i3-6100U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit
	AIMG6-3955-6RP4	Celeron® 3955U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit D
	AIMG6-6600-6Ri	CoreTM i7-6600U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isol
AIMG6-6Ri	AIMG6-6300-6Ri	CoreTM i5-6300U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isol
Barebone System	AIMG6-6100-6Ri	CoreTM i3-6100U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isol
	AIMG6-3955-6Ri	Celeron® 3955U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isola
	AIMG6-6600-6R	CoreTM i7-6600U CPU, 6x GbE(RJ45), 16-bit DIO
AIMG6-6R	AIMG6-6300-6R	CoreTM i5-6300U CPU, 6x GbE(RJ45), 16-bit DIO
Barebone System	AIMG6-6100-6R	CoreTM i3-6100U CPU, 6x GbE(RJ45), 16-bit DIO
	AIMG6-3955-6R	Celeron® 3955U CPU, 6x GbE(RJ45), 16-bit DIO

Optional Accessories

Isolated Module

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

AC-DC Power Adapter - AC-DC power adapter with pitch 5.0mm 3-pin terminal block plug

ADT-24V60-T3A	24V/60W
ADT-24V90-T3A	24V/90W
ADT-24V120-T3A	24V/120W
ADT-24V160-T3A	24V/160W
ADT-24V220-T3A	24V/220W
ADT-24V280-T3A	24V/280W

AC Power Cord - H05VV-F 3G 0.75mm², 1.8m, 250V, 10A

PCBL-B12	YP12-YC12: category B type plug, TW/JP/US/CA/TH/PH/Central America
PCBL-D03	YP03-YC12: category D type plug, CN
PCBL-D35	YP35-YC12: category D type plug, AU/NZ
PCBL-G22	YP22-YC12: category G type plug, DE
PCBL-I61	YP61-YC12: category I type plug, UK/HK/MO/SG/MY

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SO-DIMM Memory - DDR4-2133/2400 2GB/4GB/8GB/16GB/32GB

SSD	mSATA SSD: 16GB/32GB/64GB/128GB/256GB/512GB/1TB
	2.5 inch 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
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Cable & Connector

CBL-S01	SATA (Data + Power) cable x1
TBP5-S03	3-Pin, pitch5.0mm 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, pitch2.54mm Female Terminal Block Plug for DIO connector x1

Mounting Kit

WBK-AIH	Wall mount bracket x2 with M2.5x5 screws x4
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Packing List

Item No.

1	Eagle Eyes Embedded Box PC AIMG x1
2	Rubber foot x4 with M2.5x5 screws x4

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