

<b>CPU</b>	6th/7th gen Intel® Xeon® E3/Core™ S (formerly Skylake/Kaby Lake) LGA1151 socket type CPU (supports TDP up to 35W)
<b>Chipset</b>	Intel® C236 Chipset
<b>Memory</b>	2x DDR4 SO-DIMM Max. 64GB (Skylake: DDR4-2133; Kaby Lake: DDR4-2400)
<b>Graphics</b>	Xeon®: HD Graphics P530 (Skylake)/P630 (Kaby Lake) Core™ I Series: HD Graphics 530 (Skylake E3/Core™ S) / HD Graphics 630 (Kaby Lake) Pentium®/Celeron®: HD Graphics 1510 (Skylake) / HD Graphics 1510 (Kaby Lake) CPU (Supports TDP up to 35W)
<b>BIOS</b>	AMI 128Mbit SPI BIOS
<b>AI Controller (AIC)</b>	AI for system monitoring and predictive analysis <b>Part number:</b> AIH, AIH-i, AIH-NVMe, AIH-i-NVMe
<b>Watchdog Timer</b>	Runtime: 10 – 65535 seconds Powerup: 120 – 65535 seconds
<b>TPM (optional)</b>	SLB9665 (TPM 2.0) / SLB9635 (TPM 1.2)
<b>Power</b>	<ul style="list-style-type: none"> <li>6th/7th gen Intel® platform (formerly Skylake/Kaby Lake), Xeon® E3/Core™ S i7, i5, i3, Pentium® and Celeron® processor</li> </ul>
<b>DC Input</b>	9~36VDC
<b>Surge Protection</b>	200V/1ms
<b>Power in Protection</b>	Reverse-Voltage, Over-Voltage, Under-Voltage, Over-Current
<b>Remote/Ignition</b>	1x ATX power on/off switch, 5-pin terminal block including 3-pin remote control and 2-pin ignition signals (pitch 3.81mm)
<b>Power Mode</b>	AT/ATX (BIOS setting)
<b>Mechanical</b>	<ul style="list-style-type: none"> <li>Intelligent eKit with AI function to monitor system health via DDM</li> <li>Special Power Design: <ul style="list-style-type: none"> <li>Wide voltage 9~36V DC input</li> <li>RVP/OVP/UV/OC/PC support</li> </ul> </li> <li>Easy Expansion &amp; Installation: <ul style="list-style-type: none"> <li>One side bezel access and easy cable management</li> <li>Remote on/off power switch with LED</li> </ul> </li> </ul>
<b>Dimensions (WxDxH)</b>	260(W) x 206(D) x 77.42(H) mm (10.24" x 8.11" x 3.05")
<b>Weight (net/gross)</b>	3.7kg
<b>Mounting</b>	Foot stand; wall mount bracket (optional)
<b>Construction</b>	Aluminum and metal chassis with fanless design
<b>Battery</b>	Easily replaceable RTC battery holder
<b>Dynamic Display Module (DDM)</b>	0.96 inch LCM work with AIC to display system status
<b>External IO</b>	<ul style="list-style-type: none"> <li>Surge protection: 200V/1ms</li> <li>Power ignition control</li> <li>35W</li> </ul>
<b>Display Ports / Resolution</b>	2x DP/4096x2304@60Hz 1x DVI-D/1920x1200@60Hz 1x VGA/1920x1200@60Hz
<b>Triple Display Ports Combinations</b>	2x DP + 1x DVI-D 2x DP + 1x VGA 1x DP + 1x DVI-D + 1x VGA
<b>Ethernet</b>	2x RJ45 GbE (Intel® i219 + Intel® i210) / Wake-on-LAN and PXE/i219 supports iAMT 11.0
<b>PoE (optional)</b>	4x RJ45 GbE PoE+ (Intel® i210 ) 802.3at support up to 30W
<b>USB 3.0/2.0</b>	6x USB 3.0 ports via native XHCI controller (0.9A each port)
<b>COM</b>	2x RS-232/422/485 (auto flow control), 4x RS-232 port

\* All product specifications are subject to change without notice

<b>Digital I/O</b>	16-bit programmable DIO (AIH)
	8-bit isolated DI & 8-bit isolated DO, Sink/Source Mode, 5~48V, 100mA (AIH-i)
<b>Audio</b>	ALC892 HD audio codec, Mic in, Line out
<b>SIM</b>	3x SIM push-push slots
<b>Storage</b>	
<b>Internal Drive Bay</b>	3x internal SATA port for 2.5" HDD/SSD
<b>mSATA</b>	3x full length mSATA (muxed with Mini-PCIe)
<b>Removable Drive Bay</b>	NA
<b>NVMe Support</b>	2x M.2 2280 NVMe supported via expansion slot optional
<b>RAID Mode</b>	RAID0/1/5
<b>Expansion Slot</b>	
<b>Mini-PCIe</b>	3x full length Mini-PCIe (muxed with mSATA, auto detection)
<b>IOM1 (optional)</b>	Supports IOM1 module
<b>Other</b>	
<b>USB 2.0 Dongle</b>	Internal 1x USB 2.0 for dongle security key
<b>Antenna</b>	4x antenna openings
<b>LED</b>	Power status, HDD status, IO status
<b>Environment</b>	
<b>Operating Temperature</b>	Standard: -20°C to 50°C (-4°F~122°F), supports 35W TDP CPU Extended temperature: -25°C to 70°C (-13°F~158°F)
<b>Storage Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Relative Humidity</b>	95% @ 40°C (104°F), non-condensing
<b>Vibration During Operation</b>	5Grms with SSD (IEC60068-2-64: random 5~500Hz)
<b>Shock During Operation</b>	50Grms with SSD (IEC60068-2-27: Half Sine, 11ms duration)
<b>Certification</b>	
<b>EMC</b>	CE/FCC Class A
<b>Safety Certifications</b>	CB
<b>OS Support</b>	
<b>Windows</b>	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

\* All product specifications are subject to change without notice

Email: [sales@vetron.com.au](mailto: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.



Linux	Linux
-------	-------

## System

### I/O Comparison Chart

Model Name	DP	DVI-D	VGA	GbE (RJ45)	GbE/PoE (RJ45)	DIO	USB 3.0	RS-232	RS-232/422/485	M.2 2280 NVMe	Internal 2.5" Disk Bay
AIH	2	1	1	2	4	16-bit DIO	6	4	2	0	3
AIH-i						8-bit isolated DI & 8-bit isolated DO					
AIH-NVMe						16-bit DIO					
AIH-i-NVMe						8-bit isolated DI & 8-bit isolated DO					
										2	

\* All product specifications are subject to change without notice

Email: [sales@vetron.com.au](mailto: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.



1	Eagle Eyes Embedded Box PC AIH x 1
2	Rubber foot x4 with M3x6 screws x6

#### Item No.

### Packing List

WBK-AIH	Wall mount bracket x2 with M3x6 screws x6
---------	---

#### Mounting Kit

CBL-S01	SATA (Data + Power) cable x1
TBP5-S03	3-Pin, pitch5.0mm Female Terminal Block Plug for DC input x1
TBP-S05	5-Pin, pitch 3.81mm Female Terminal Block Plug for remote connector x1
TBP3-D20	2x10-Pin, pitch2.54mm Female Terminal Block Plug for DIO connector x1

#### Cable & Connector

Mini-PCIe wireless module for 3G/4G LTE/Wi-Fi/BT/NB-IoT/GPS/BDS

#### Wireless Module

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

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

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

#### AC Power Cord - H05VV-F 3G 0.75mm<sup>2</sup>, 1.8m, 250V, 10A

ADT-24V60-T3A
ADT-24V90-T3A
ADT-24V120-T3A
ADT-24V160-T3A
ADT-24V220-T3A
ADT-24V280-T3A

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

\* All product specifications are subject to change without notice

## Other Accessories

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

### Isolated Module

IOMH1-4GR	4x RJ45 GbE
IOMH1-4GRP	4x RJ45 GbE with PoE (30.4W each port)
IOMH1-4GM	4x M12 GbE
IOMH1-4GMP	4x M12 GbE with PoE (30.4W each port)
IOMH1-4U3	4x USB 3.0
IOMH1-2SFP+	2x 10GbE Fiber ethernet

### IOM1 Module

## Optional Accessories

CPU (Optional)	
E3-1268Lv5	Xeon® E3-1268L v5 (4 cores/8 threads, 2.4 GHz/3.4 GHz, 8MB cache, 35W TDP)
i7-6700TE	Core™ i7-6700TE (4 cores/8 threads, 2.4 GHz/3.4 GHz, 8MB cache, 35W TDP)
i5-6500TE	Core™ i5-6500TE (4 cores/4 threads, 2.3 GHz/3.3 GHz, 6MB cache, 35 W TDP)
i3-6100TE	Core™ i3-6100TE (2 cores/4 threads, 2.7 GHz, 4MB cache, 35 W TDP)
G4400TE	Pentium® G4400TE (2 cores/2 threads, 2.4 GHz, 3MB cache, 35 W TDP)
G3900TE	Celeron® G3900TE (2 cores/2 threads, 2.3 GHz, 2MB cache, 35 W TDP)
7th Gen Kaby Lake	
i7-7700T	Core™ i7-7700T (4 cores/8 threads, 2.9 GHz/3.8 GHz, 8MB cache, 35W TDP)
i5-7500T	Core™ i5-7500T (4 cores/4 threads, 2.7 GHz/3.3 GHz, 6MB cache, 35W TDP)
i3-7101TE	Core™ i3-7101TE (2 cores/4 threads, 3.4 GHz, 3MB cache, 35W TDP)

### Model Name

AIH Barebone System
AIH-i Barebone System
AIH-NVMe Barebone System
AIH-i-NVMe Barebone System

## Ordering Information:

\* All product specifications are subject to change without notice

Email: [sales@vetron.com.au](mailto: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.

