Eagle Eyes-AIHL-W1

6th/7th Gen Intel® Xeon® E3/Core™ S Series (FCLGA1151 Socket) Box Computer





Features

- 6th/7th Gen Intel® platform (formerly Skylake/Kaby Lake), Xeon® E3/Core™ S i7, i5, i3, Pentium® and Celeron® processor
- Supports LGA1151 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:
- IOM1: various I/O function modules available
- Remote on/off power switch with LED
- Easily replaceable RTC battery holder
- 3x SIM push-push slots



















I/O Comparison Chart

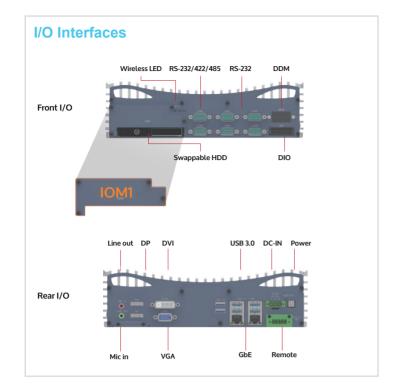
Model Name	DP	DVI	VGA	GbE (RJ45)	DIO	USB 3.0	RS-232	RS-232 / 422 / 485	External 2.5" Disk Bay	Internal 2.5" Disk Bay
AIHL-W1	2	1	1	2	16-bit DIO	6	4	2	1	2
AIHL-W1-i	2	1	1	2	8-bit isolated DI & 8-bit isolated DO	6	4	2	1	2

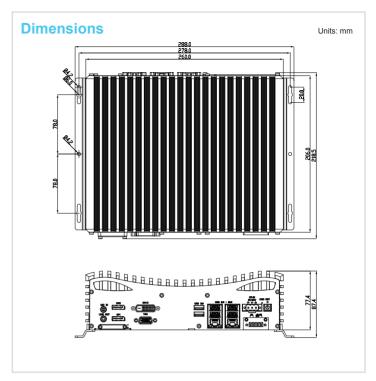
Specifications

6th/7th Gen Intel® Xeon® E3/Core™ S (formerly Skylake/Kaby Lake)
LGA1151 socket type CPU (supports TDP up to 35W)
Intel®C236 Chipset
2x DDR4 SO-DIMM Max. 64GB (Skylake: DDR4-2133; Kaby Lake: DDR4-240
Xeon®: HD Graphics P530 (Skylake)/P630 (Kaby Lake)
Core™ I Series: HD Graphics 530 (Skylake)/630 (Kaby Lake)
Pentium®/Celeron®: HD Graphics 510 (Skylake)/610 (Kaby Lake)
AMI 128Mbit SPI BIOS
Al for system monitoring and predictive analysis
Runtime: 10 – 65535 seconds
Powerup: 120 – 65535 seconds
SLB9665 (TPM 2.0) / SLB9635 (TPM 1.2)
9~36VDC
200V/1ms
Reverse-Voltage, Over-Voltage, Under-Voltage, Over-Current
1x ATX power on/off switch, 5-pin terminal block including 3-pin remote contri
and 2-pin ignition signals (pitch 3.81 mm)
AT/ATX (BIOS setting)
260(W) x 206(D) x 77.42(H) mm (10.24" x 8.11" x 3.05")
3.7kg
Foot stand; wall mount bracket (optional)
Aluminum and metal chassis with fanless design
Easily replaceable RTC battery holder
0.96 inch LCM work with AIC to display system status
0.00 mon Lom work with the to display system status
2x DP/4096x2304@60Hz
1x DVI/1920x1200@60Hz
1x VGA/1920x1200@60Hz
2x DP + 1x DVI
2x DP + 1x VGA
1x DP + 1x DVI + 1x VGA
2x RJ45 GbE (Intel®i219 + Intel®i210) / Wake-on-LAN and PXE/i219 supports
iAMT 11.0
NA
6x USB 3.0 ports via native XHCl controller (0.9A each port)
2x RS-232/422/485 (auto flow control), 4x RS-232 port
16-bit programmable DIO (AIHL-W1)
8-bit isolated DI & 8-bit isolated DO, Sink/Source Mode, 5~48V, 100mA (AIHL-W1-i)
ALC892 HD Audio Codec, Mic in, Line out
3x SIM push-push slots

Storage	
Internal Drive Bay	2x internal SATA port for 2.5" HDD/SSD
mSATA	3x full length mSATA (muxed with Mini-PCle)
Removable Drive Bay	1x swappable 2.5" HDD/SSD
RAID Mode	RAID 0/1/5
Expansion slot	
Mini-PCle	3x full length Mini-PCle (muxed with mSATA, auto detection)
IOM1 (optional)	Supports IOM1 module
, ,	
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 CPU TDP up to 35W
	Extended temperature: -25°C to 70°C (-13°F~158°F) (For more
	information, please contact your representative)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	95% @ 40°C (104°F), non-condensing
Vibration During Operation	
(IEC60068-2-64: Random	5Grms with SSD; 1Grms with HDD
5~500Hz)	
Shock During Operation	
(IEC60068-2-27: Half Sine,	50Grms with SSD; 20Grms with HDD
11ms Duration)	
•	
Certification	
EMC	CE/FCC Class A
Safety Certifications	СВ
OS Support	
Optional OS Installation	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

Shenzhen CN





Ordering Information

Remark: Following models include 6th/7th Gen Intel® Skylake S/Kaby Lake S (SKL-S/KBL-S) platform, LGA 1151 socket desktop CPU, 2x DP, 1x DVI, 1x VGA, 2x GbE (RJ45), 6x USB 3.0, 2x RS-232/422/485, 4x RS-232, 2x internal SATA port for 2.5" HDD/SSD, 1x swappable 2.5" HDD/SSD

Model Name

AIHL-W1 Barebone System

16-bit DIO

AIHL-W1-i Barebone System 8-bit isolated DI & 8-bit isolated DO

CPII (Ontional)

CFU (Optional)		
6th Gen Skylake	9	
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)	

Optional Accessories

IOM1 Module

Total I	IOM3-4GR	I4x RJ45 GbE	
	IOM3-4GRP	4x RJ45 GbE with PoE (30.4W each port)	
PART III	IOM3-4GM	4x M12 GbE	
(0:0.	IOM3-4GMP	4x M12 GbE with PoE (30.4W each port)	
	IOM3-4U3	4x USB 3.0	
Isolated Module			
iDIO-818O	8-bit isolated DI & 8-bit isolated DO module		

Other Accessories

AC-DC Power Adapter 24\//60\N AC DC navior adoptor with nitch 5 09mm 3 nin terminal block plus

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
	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
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-AIH	Wall Mount Bracket x2 with M3x6 screws x6

Packing List

Item No.	
1	Eagle Eyes Embedded Box PC AIHL-W1 x1
2	Rubber Foot x4 with M3x6 screws x6

^{*} Please contact sales representative