Eagle Eyes-AIH6th/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



















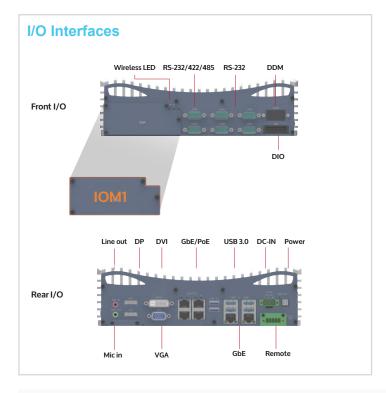
I/O Comparison Chart

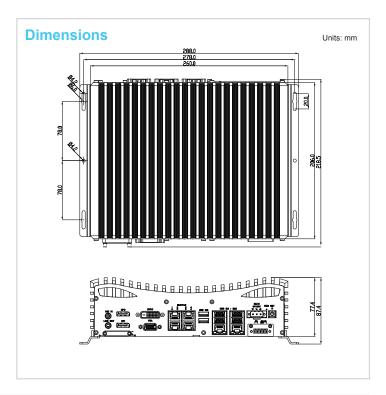
Model Name	DP	DVI	VGA	GbE (RJ45)	GbE / PoE (RJ45)	DIO	USB 3.0	RS-232	RS-232 / 422 / 485	Internal 2.5" Disk Bay
AIH	2	1	1	2	4	16-bit DIO	6	4	2	3
AIH-i	2	1	1	2	4	8-bit isolated DI & 8-bit isolated DO	6	4	2	3

Specifications

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System	Ott. 17th. One Lette No. 1 to 10 Vene 10 CO one TH O (Comment of Ott Lette (Velocity)		
CPU	6th/7th Gen Intel® Xeon® E3/Core™ S (formerly Skylake/Kaby Lake)		
Chinast	LGA1151 socket type CPU (supports TDP up to 35W)		
Chipset	Intel®C236 Chipset		
Memory	2x DDR4 SO-DIMM Max. 64GB (Skylake: DDR4-2133; Kaby Lake: DDR4-2400)		
Graphic	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)		
BIOS	AMI 128Mbit SPI BIOS		
Al Controller (AIC)	Al for system monitoring and predictive analysis Runtime: 10 – 65535 seconds		
Watchdog Timer			
TDM (antional)	Powerup: 120 – 65535 seconds		
TPM (optional)	SLB9665 (TPM 2.0) / SLB9635 (TPM 1.2)		
Power			
DC Input	9~36VDC		
Surge Protection	200V/1ms		
Power in Protection	Reverse-Voltage, Over-Voltage, Under-Voltage, Over-Current		
Remote/Ignition	1x ATX power on/off switch, 5-pin terminal block including 3-pin remote control		
	and 2-pin ignition signals (pitch 3.81 mm)		
Power Mode	AT/ATX (BIOS setting)		
Mechanical			
Dimensions (W x D x H)			
Weight (net/gross)	3.7kg		
Mounting	Foot stand; wall mount bracket (optional)		
Construction	Aluminum and metal chassis with fanless design		
Battery	Easily replaceable RTC battery holder		
Dynamic Display	0.96 inch LCM work with AIC to display system status		
Module (DDM)			
E (
External IO	0. DD//000 000/000/		
Display Ports /	2x DP/4096x2304@60Hz		
Resolution	1x DVI/1920x1200@60Hz		
Trials Bississ Books	1x VGA/1920x1200@60Hz		
Triple Display Ports	2x DP + 1x DVI		
Combinations	2x DP + 1x VGA		
	1x DP + 1x DVI + 1x VGA		
Ethernet	2x RJ45 GbE (Intel®i219 + Intel®i210) / Wake-on-LAN and PXE/i219 supports		
B. F	iAMT 11.0		
PoE	4x RJ45 GbE PoE+ (Intel®i210) 802.3at support up to 30W		
USB 3.0/2.0	6x USB 3.0 ports via native XHCl controller (0.9A each port)		
COM	2x RS-232/422/485 (auto flow control), 4x RS-232 port		
Digital I/O	16-bit programmable DIO (AIH)		
A II -	8-bit isolated DI & 8-bit isolated DO, Sink/Source Mode, 5~48V, 100mA (AIH-i)		
Audio	ALC892 HD Audio Codec, Mic in, Line out		
SIM	3x SIM push-push slots		

Storage			
Internal Drive Bay	3x internal SATA port for 2.5" HDD/SSD		
mSATA	3x full length mSATA (muxed with Mini-PCIe)		
Removable Drive Bay	NA		
RAID Mode	RAID 0/1/5		
Expansion slot			
Mini-PCle	3x full length Mini-PCIe (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 5~500Hz)	5Grms with SSD; 1Grms with HDD		
Shock During Operation (IEC60068-2-27: Half Sine, 11ms Duration)	50Grms with SSD; 20Grms with HDD		
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		





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), 4x GbE/PoE (RJ45), 6x USB 3.0, 2x RS-232/422/485, 4x RS-232, 3x internal SATA port for 2.5" HDD/SSD

Model Name

AIH Barebone System

AIH-i Barebone System 8-bit isolated DI & 8-bit isolated DO

CPU (Optional)

CPU (Optional)	
6th Gen Skylak	e
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 I	_ake
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

TO THE PARTY OF TH	IOM1-4GR	4x RJ45 GbE
	IOM1-4GRP	4x RJ45 GbE with PoE (30.4W each port)
	IOM1-4GM	4x M12 GbE
10.0	IOM1-4GMP	4x M12 GbE with PoE (30.4W each port)
	IOM1-4U3	4x USB 3.0
	IOM1-2SFP+	2x 10GbE Fiber ethernet

Isolated Module

iDIO-818O 8-bit isolated DI & 8-bit isolated DO module

Other Accessories

AC-DC Power Adapter

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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-PCle 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 AIH x1	
2	Rubber Foot x4 with M3x6 screws x6	

^{*} Please contact sales representative