AIIS-3411P (Isolated PoE)
AIIS-3411U (USB 3.0)

Compact Vision System, Intel® 10th Gen Core i CPU, 4-CH Camera Interface for GigE Isolated PoE or USB 3.0,PCIe expansion slot, supports 4-CH Lighting and Isolated DIO



Features

- Intel 10th generation Core i CPU (LGA1200)
- AIIS-3411P: 4-CH GbE Isolated PoE (Isolated Power over Ethernet)
  - Powered device auto detection and classification
  - IEEE 802.3af compliant, supports IEEE 1588
  - Compatible with GigE cameras
- AIIS-3411U: 4-CH USB 3.0 with dedicated controller
  - Maximize the USB3.0 bandwidth for multi-cameras
  - Compatible with USB 3.0 cameras
- Optional AIIS-1882 module for lighting control and isolated DIO
  - Supports 4-ch lighting control output powered by internal 12V_{DC}/1A per channel with trigger input or optional external power input 12~24V_{DC}, 2A max.
  - Programmable delay time, PWM high/low time and lighting output duration
  - 12-ch isolated digital input and 16-ch isolated digital output
  - 2,500V_{DC} isolation protection for all I/O signals

Specifications

Processor System	CPU	i9-10900E	i9-10900TE	i7-10700E	i7-10700TE	i5-10500E	i5-10500TE	i3-10100E	i3-10100TE	G6400E	G6400TE	G5900E	G5900TE
	Core	10	10	8	8	6	6	4	4	2	2	2	2
	Base Frequency	2.80 GHz	1.80 GHz	2.90 GHz	2.00 GHz	3.1GHz	2.3GHz	3.20 GHz	3.60 GHz	3.80 GHz	3.20 GHz	3.20 GHz	3.00 GHz
	L3 Cache	20MB	20MB	16MB	16MB	12MB	12MB	6MB	6MB	4MB	4MB	2 MB	2 MB
	Chipset	H420E											
	BIOS	AMI 128Mb SPI Flash											
Memory	Technology	Dual Channel DDR4 Dual-channel DDR4 2933/2666 MHz (non-ECC)											
	Max. Capacity	64GB											
	Socket	2 x 260-pin DDR4 SODIMM (up to 32GB per socket)											
Graphics	Chipset Integrated	Intel® HD Graphics											
Ethernet	Interface	10/100/1000 Mbps											
	Controller	LAN 1: Intel I219-V; LAN 2: Intel I210-AT											
Camera Interface PoE (AIIS-3411P)	Controller	CH1 ~ CH4: Intel i210AT											
	Compliant	IEEE 802.3af											
	Power Output	15W per channel / 30W for 2 channel (Support Isolated PoE)											
Camera Interface USB (AIIS-3411U)	Controller	CH1 ~ CH4: µPD720202											
	Compliant	USB 3.0											
	Power Output	4.5W per Channel											
Lighting	Output	4 sets of 2-pin/ 3-pin connector to supply power to light units (optional AIIS-1882 module)											
Storage	SSD/HDD	1 x 2.5" (max. 9.5 mm height)											
	mSATA	1 x full size mSATA (miniPCIe1)											
Expansion	PCIe	1 x PCIe x16 slot with x8 Gen. 3 signal, full height: 119.33 mm, length: max. 176.27 mm											
	mPCIe	1 full size mPCIe with PCIe Gen. 2 and USB 2.0 signal (miniPCIe2)											
	iDoor	1 x iDoor slot											
Front I/O	Display	VGA + HDMI 1.4											
	USB	4 x USB3.2 (Gen. 1), 1 x internal USB 2.0											
	Serial	2 x RS-232/422/485 (setting via BIOS)											
	Audio	2 (Line-out/Mic-in)											
	Isolated DIO (Optional)	4-channel lighting trigger, 12-DI, 16-CH DO (Optional AIIS-1882)											
Watchdog Timer	Output	System reset											
	Interval	Programmable 1 ~ 255 sec/min											
Power Requirement	Power Type	ATX/AT											
	Power Input Voltage	19 V DC ~ 24 V DC (± 10%)											
	Minimum Power Input	DC 19-24V @ 11.28-9.02A											
	Power Adapter	AC to DC, DC24V/9.16A, 230W (Optional)											
Environment		Operating						Non-operating					
	Temperature	0°C~50°C						-40°C~70°C					
	Humidity	10 ~ 95% @ 40 °C, non-condensing 10 ~ 95% @ 60 °C, non-condensing											
	Vibration	0.5Grms, random, 5~500Hz, 3 axes, 1 hr/axis 2G, sine wave, 5~500Hz, 3 axes, 1 hr/axis; 1G (with SSD)											
	Shock	10G, half sine wave, 11 ms duration											
Physical Characteristics	Dimension (W x H x D)	240 x 97 x 190 mm (9.45" x 3.82" x 7.48")											
	Weight	2.56kg											

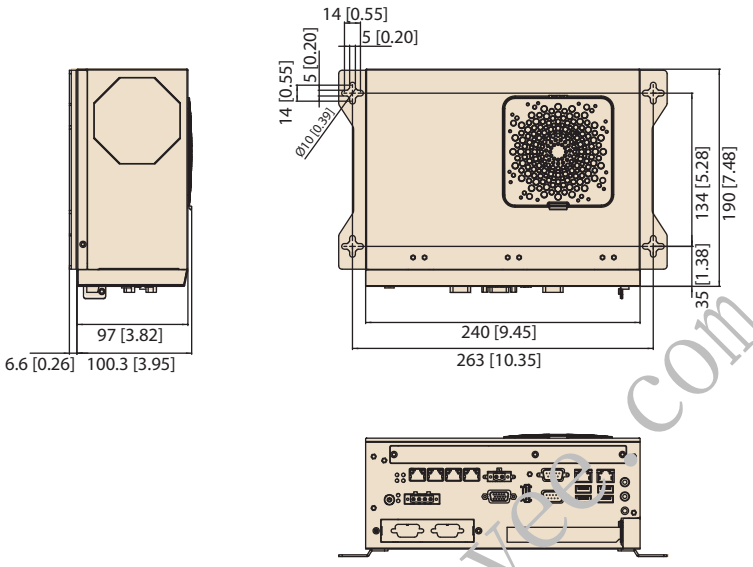
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All product specifications are subject to change without notice.

Last updated: 12-Dec-2024

Dimensions

Unit: mm [inch]



*Add-on card area: 119.33 x 176.27 mm (4.70” x 6.94”)

Ordering Information

Part Number	Camera Interface	Display	USB 3.0	COM 232/422/485	Expansion slot
AIIS-3411P-00A2	4-CH GigE Isolated PoE	VGA + HDMI	4	2	1 x PCIe x8 or 1 PCI*
AIIS-3411U-00A1	4-CH USB 3.0	VGA + HDMI	4	2	1 x PCIe x8 or 1 PCI*

* Optional PCI riser card

Packing List

Description	Part Number	Quantity
Base System	AIIS-3411	1
Startup manual (EN/CN)	2041341100	1
Wall Mount Bracket	1960071487T00D	2
CPU Cooler	1960053207N001	1
4-pin Phoenix power connector	1652003234	1
2-pin Phoenix connector for remote switch	1652002205	1

Embedded OS

Part Number	Description
20706WX9HS0146	img W10 19HL AIIS-3411 64b 1809 ENU
20706WX9VS0150	img W10 19VL AIIS-3411 64b 1809 ENU
20706WX9ES0161	img W10 19EL AIIS-3411 64b 1809 ENU

Optional Accessories

Part Number	Description
AIIS-1882-AE	4-ch Lighting Control with Isolated DIO through B2B connector
9891341010E	PCI Riser card
96PSA-A230W24P4-3	ADP A/D 100-240V 230W 24V C14 TERMINAL BLOCK 4P
1702002600	Power Cord UL 3P 10A 125V 183cm
1702002605	Power Cord EU 3P 10A 250V 183cm
1700022940-01	Power Cord PSE 3P 7A 125V 300cm
PCIE-1674E-BE	4-port PCI express GbE card, PoE hardware on/off
1700024858-01	A CABLE 2*2P-4.2/2*2P-4.2 15cm (for PCIE-1674)
98R13411000	DIN Rail Mounting kit for AIIS-3411

Note:
1. AIIS-3411 supports the i-Door module. Visit the Advantech website for more information.
2. The PCM series module requires a bracket (P/N: 1960065854N001) that must be ordered separately.

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