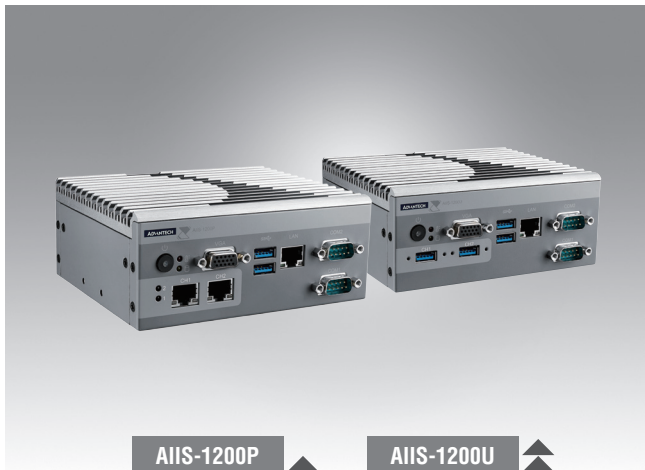


# AIIS-1200P (GigE PoE) AIIS-1200U (USB 3.0)

**Palm Size Vision System, Supports Intel® Braswell SoC, 2-CH Camera Interface for GigE PoE or USB 3.0**



## Features

- Intel® Braswell Celeron N3160/Pentium N3710 SoC
- AIIS-1200P: 2-CH GbE PoE (Power over Ethernet)
  - Powered device auto detection and classification
  - IEEE 802.3af compliant and supports IEEE 1588
  - Compatible with GigE Cameras
- AIIS-1200U: 2-CH USB 3.0 with dedicated controller
  - Maximize the USB3.0 bandwidth for multi-cameras
  - Compatible with USB 3.0 Cameras
- Compact & thoughtful design
  - Volume less than 0.9 Liter
  - Isolated Digital I/O
  - Wall or DIN-Rail mounting kit (optional)



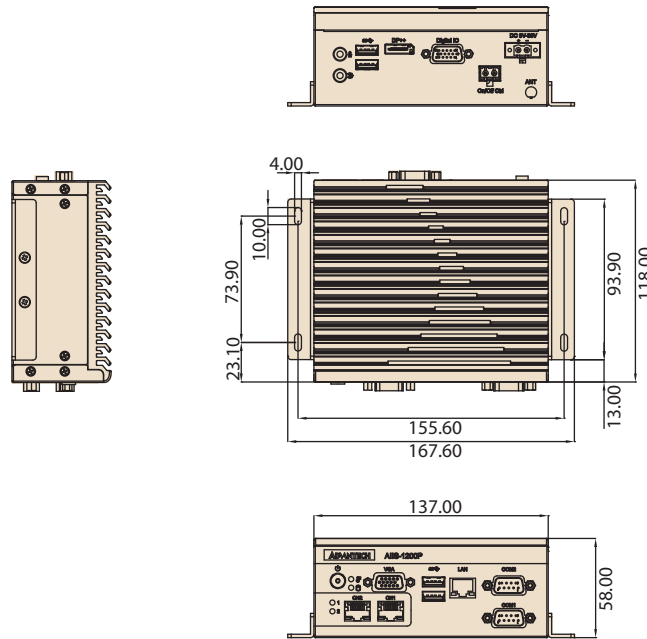
## Specifications

		Intel Celeron N3160	Intel Pentium N3710	
Processor System	CPU	Intel Celeron N3160	Intel Pentium N3710	
	Core	4	4	
	Base Frequency	1.6GHz	1.6GHz	
	L2 Cache	2MB	2MB	
	Chipset	N/A	N/A	
	BIOS	AMI 64Mb SPI Flash		
Memory	Technology	Dual Channel DDR3L 1600 MHz (Non ECC)		
	Max. Capacity	On board 8GB		
Graphics	Chipset Integrated	Integrated Intel HD Graphics		
Camera Interface PoE (AIIS-1200P)	Controller	CH1 ~ CH2: Intel i210		
	Compliant	IEEE 802.3af		
	Power Output	15.4W per Channel		
Camera Interface USB 3.0 (AIIS-1200U)	Controller	CH1 ~ CH2: uPD720202		
	Compliant	USB 3.0		
	Power Output	4.5W per Channel		
Ethernet	Interface	10/100/1000 Mbps		
	Controller	Intel i210		
Expansion	Mini PCIe	1 x Full-size (Supports mSATA)		
Storage	Internal 2.5" HDD Bay	1 (max. 9.5 mm height)		
	mSATA	1 (via mini PCIe slot)		
Front I/O	Display	VGA		
	USB	2 USB3.0		
	Serial	COM 1 (RS-232/422/485 via BIOS setting; RS-485 with auto-flow control) COM 2 (RS-232)		
Rear I/O	Audio	Line-out & Mic-in		
	Display	DP++		
	USB	2 USB 3.0		
	DIO	8 Channels (4 isolated DI and 4 isolated DO channels)		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1 ~ 255 sec/min		
Power Requirement	Power Type	AT/ATX		
	Power Input Voltage	9 V <sub>DC</sub> ~ 36 V <sub>DC</sub>		
Miscellaneous	LED Indicators	Power, HDD, temperature		
	Control	Power on/off switch		
Environment		Operating	Non-operating	
	Temperature	HDD: 0 ~ 40 °C (32 ~ 104 °F) with 0.7m/s air flow SSD: -10 ~ 60 °C (-4 ~ 140 °F) with 0.7m/s air flow	-40 ~ 70 °C (-40 ~ 158 °F)	
	Humidity	10 ~ 95% @ 40 °C, non-condensing		10 ~ 95% @ 60 °C, non-condensing
	Vibration	HDD: 0.5G, random, 5~500Hz, 3 axes, 1 hr/axis SSD: 3G, random, 5~500Hz, 3 axes, 1 hr/axis	2G, sine wave, 5~500Hz, 3 axes, 1 hr/axis	
	Shock	HDD: 10G, half sine wave, 11 ms duration SSD: 50G, half sine wave, 11 ms duration		
Physical Characteristics	Dimension (W x H x D)	137 x 58 x 118 mm (5.39" x 2.28" x 4.65")		
	Weight	1.1Kg (2.425lb)		

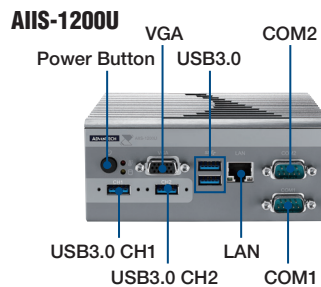
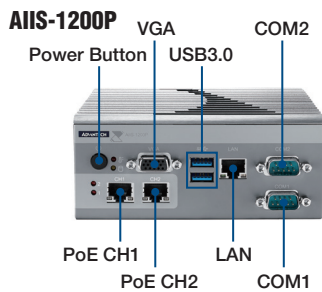
\* Depends on CPU

## Dimensions

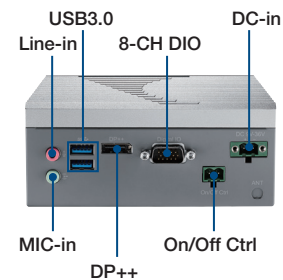
Unit: mm



## Front View



## Rear View



## Ordering Information

Part Number	CPU	Camera Interface	Display	USB 3.0	Isolated DIO	COM1 (RS-232/422/485)	COM2 (RS-232)
AIIS-1200P-S6A1E	Intel Celeron N3160	2-CH GigE PoE	VGA + DP++	4	8-CH	1	1
AIIS-1200U-S6A1E	Intel Celeron N3160	2-CH USB 3.0	VGA + DP++	4	8-CH	1	1
AIIS-1200P-16A1E	Intel Pentium N3710	2-CH GigE PoE	VGA + DP++	4	8-CH	1	1
AIIS-1200U-16A1E	Intel Pentium N3710	2-CH USB 3.0	VGA + DP++	4	8-CH	1	1

## Packing List

Items	Part Number	Quantity
Bare System	AIIS-1200	1
Startup Manual	2001120001	1
Driver CD	2061120001	1
Wallmount Bracket	1960052226N002	2
2-pin Phoenix DC power connector	1652002205	1
DIN-Rail Bracket	1950016395T102	1
2-Pin PW on/off Ctrl connector	1652002207	1

## Optional Accessories

Part Number	Description
1700001524	Power Cord 3P UL 10A 125V 180cm
170203183C	POWER Cord 3P Europe (WS-010+WS-083)183cm
1700021376-01	Power Cord 3P PSE 7A 125V 250cm(IEC60320-C5)
96PSA-A65W19P2-2	DC19 Adapter 65Watt
1700023217-01	8-CH DIO Cable for Wiring Board
ADAM-3925-AE	8-CH DIO DB-25 Wiring Terminal, DIN-rail Mount
PCL-10137-1E	M Cable D-SUB 37P(M)/D-SUB 37P(M) 100CM

Note: If there is no 9-36Vdc source in your facility, this adapter is required to power on the system

## Embedded OS

Part Number	Description
2070014323	img Win10Ent AIIS-1200 x64 V10.0.10240.0 10MUI
2070014481	Img WES7P AIIS-1200 x64 V5.8.0 10MUI