

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)



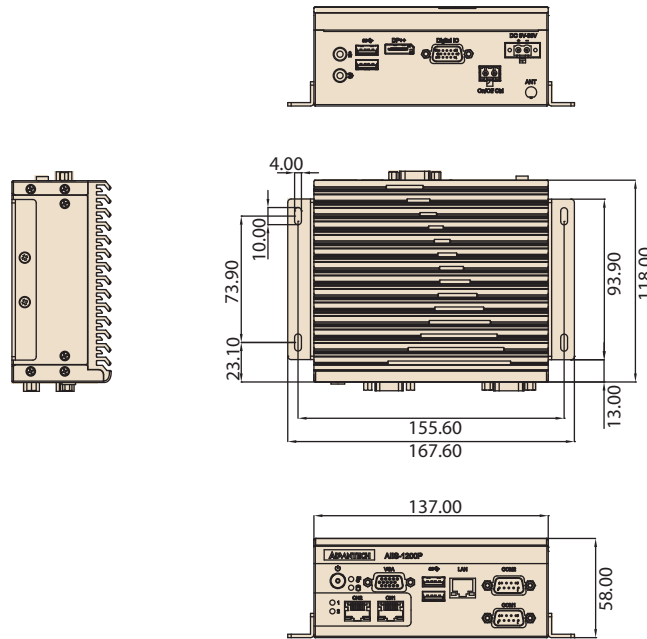
Specifications

| | | 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 _{DC} ~ 36 V _{DC} | | |
| 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) | | |

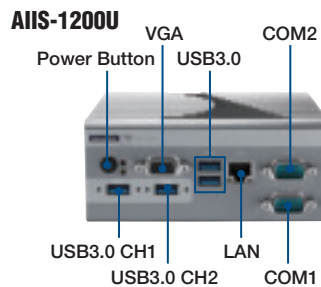
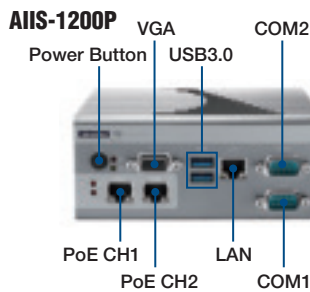
* Depends on CPU

Dimensions

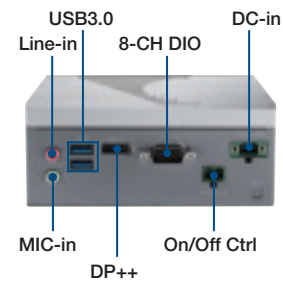
Unit: mm



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 |