

# AIIS-1240

PoE Compact System, Supports Intel® Core™ i7/i5/i3 CPU, 4-CH GbE PoE



## Features

- Intel® 3rd Core™ i7/i5/i3 CPU (LGA1155)
  - 4-CH GbE PoE (Power over Ethernet), IEEE 802.3af compliant
    - Powered device auto detection and classification
    - Supports IEEE 1588 & GigE Vision device
    - Compatible with GigE Cameras
- Compact & thoughtful design
  - Volume less than 3 Liter
  - Easier fan filter maintenance
  - Isolated Digital I/O
  - Internal USB Type-A with lock design (Max. 49mm length)
  - Wall or DIN rail mounting kit (optional)
  - Build in G-sensor for vibration detection



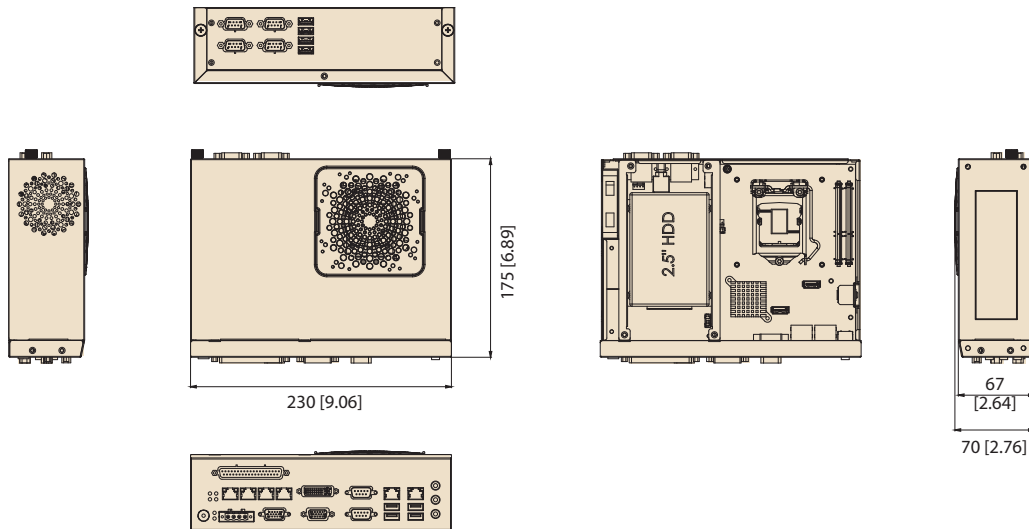
## Specifications

|                          |   |  |   |               |
|--------------------------|---|--|---|---------------|
| Processor System         | CPU   | Core i7-3770   | Core i5-3550S                             | Core i3-3220  |
|                          | Core  | 4  | 4   | 2             |
|                          | Base Frequency  | 3.4 GHz  | 3.0 GHz                                   | 3.3 GHz       |
|                          | L3 Cache  | 8 MB   | 6 MB                                      | 3 MB          |
|                          | Chipset   | H61  |   |               |
| Memory                   | BIOS  | AMI 64Mb SPI Flash   |   |               |
|                          | Technology  | Dual Channel DDR3 1066/1333 MHz (Non ECC)                                      |   |               |
|                          | Max. Capacity   | 16 GB (8 GB per DIMM)  |   |               |
| Graphics                 | Socket  | 204-pin SO-DIMM x 2  |   |               |
|                          | Chipset Integrated  | Integrated Intel HD Graphics   |   |               |
| PoE                      | Controller  | CH1 ~ CH4: Intel i210  |   |               |
|                          | Compliant   | IEEE 802.3af   |   |               |
|                          | Power Output  | 15.4W per Channel  |   |               |
| Ethernet                 | Interface   | 10/100/1000 Mbps   |   |               |
|                          | Controller  | LAN1: Intel 82579V, LAN2: Intel 82583V   |   |               |
| Storage                  | Internal 2.5" HDD Bay   | 1 (max. 9.5 mm height)   |   |               |
|                          | CFast   | 1  |   |               |
| Front I/O                | Display   | VGA + DVI-D  |   |               |
|                          | USB   | 4 USB3.0   |   |               |
|                          | Serial  | 2 (RS-232, RS-422 or RS-485 via BIOS setting; RS-485 with auto-flow control)   |   |               |
|                          | Isolated DIO  | Default: 4 isolated DI and 4 isolated DO channels                              |   |               |
|                          |   | Optional module: 16 isolated DI and 16 isolated DO channels (AIIS-DIO32-00A1E) |   |               |
| Rear I/O                 | High-voltage isolation up to 2,500 V <sub>DC</sub> on all channels  |  |   |               |
|                          | Dry/wet contact support   |  |   |               |
| Watchdog Timer           | Supports 5 ~ 60 V <sub>DC</sub> isolated input channels             |  |   |               |
|                          | High-sink current for isolated output channels (100mA max./Channel) |  |   |               |
| Power Requirement        | Interrupt handing & Timer/counter capability                        |  |   |               |
|                          | USB   | 4 USB2.0   |   |               |
|                          | Serial  | 4 RS-232   |   |               |
| Cooling                  | Output  | System reset   |   |               |
|                          | Interval  | Programmable 1 ~ 255 sec/min   |   |               |
|                          | Power Type  | ATX  |   |               |
| Miscellaneous            | Power Input Voltage   | 19 V <sub>DC</sub> ~ 24 V <sub>DC</sub>  |   |               |
|                          | Minimum Power Input   | DC 19-24V @ 8-6.3A   |   |               |
|                          | Power Adapter   | AC to DC, DC24V/9.16A, 220W (Optional)   |   |               |
| Environment              | System Fan  | 1 (6cm / 27.7 CFM)   |   |               |
|                          | LED Indicators  | Power, HDD, temperature  |   |               |
|                          | Control   | Power on/off switch  |   |               |
|                          | Temperature   | Operating  | 0 ~ 45° C (32 ~ 113° F)*                  | Non-operating |
| Physical Characteristics | Humidity  | -40 ~ 70° C (-40 ~ 158° F)   |   |               |
|                          | Vibration   | 10 ~ 95% @ 40° C, non-condensing   | 10 ~ 95% @ 60° C, non-condensing          |               |
|                          | Shock   | 1Grms, random, 5~500Hz, 3 axes, 1 hr/axis                                      | 2G, sine wave, 5~500Hz, 3 axes, 1 hr/axis |               |
| Dimension (W x H x D)    | Weight  | 10G, half sine wave, 11 ms duration  |   |               |
|                          | Weight  | 232 x 70 x 175 mm (9.06" x 2.76" x 6.89")                                      |   |               |
|                          |   | 2.5 kg   |   |               |

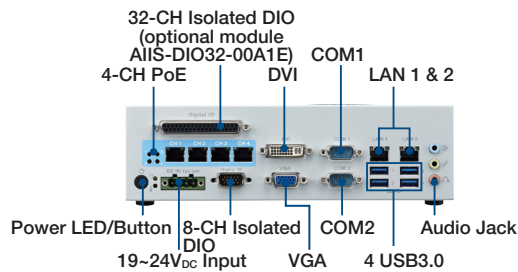
\* Depend on CPU

## Dimensions

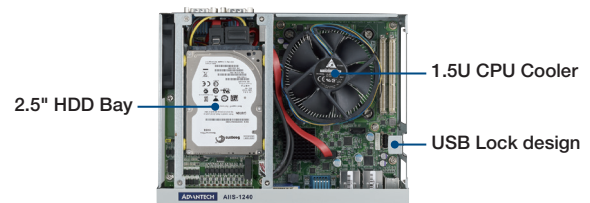
Unit: mm [inch]



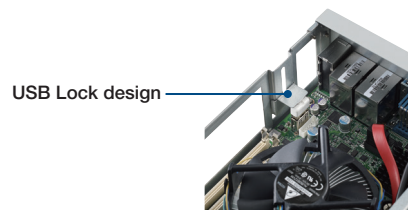
## Front View



## Internal View



## Rear View



## Ordering Information

| Part Number     | PoE Port | Display   | USB 3.0/2.0 | Isolated DIO | COM 232/422/485 | COM 232 |
|-----------------|----------|-----------|-------------|--------------|-----------------|---------|
| AIIS-1240-00A1E | 4-CH     | VGA+DVI-D | 4 / 4       | 8-CH         | 2               | 4       |

## Optional Accessories

| Part Number       | Description   |
|-------------------|---|
| 98R2124000E       | DIN-Rail Bracket                                    |
| 1700023217-01     | M cable D-SUB 15P(F)/D-SUB 25(M) 1M AIIS-1240       |
| ADAM-3925-AE      | DB-25 Wiring Terminal, DIN-rail Mount               |
| AIIS-DIO32-00A1E  | Isolated DIO module, 32-CH, 9-pin USB interface     |
| 1700037020        | M Cable D-SUB 37P(M)/D-SUB 37P(M) 100CM             |
| ADAM-3937-BE      | DB-37 Wiring Terminal, DIN-rail Mount               |
| 96PSA-A220W24P4-1 | 220Watt DC24 Adapter                                |
| 1702002600        | Power cord 3-pin UL/CSA (USA) 125 V 10A 1.83 M 180D |
| 1700022940-01     | Power cord PSE 7A 125 V 3P 3 m DAC-ST01             |
| 1702002605        | Power cord 2P (France) 10A/16A 220 V 1.83 M 90D     |

Note: If there is no 19-24V<sub>DC</sub> source in your facility, this adapter is required to power on the system

## Packing List

| Items                            | Part Number     | Quantity |
|----------------------------------|-----------------|----------|
| AIIS-1240 Bare System            | AIIS-1240-00A1E | 1        |
| Startup Manual                   | 2006S12400      | 1        |
| Driver CD                        | 206K124000      | 1        |
| Wallmount Bracket                | 1960014487T004  | 2        |
| Rubber Foot                      | 1990012452S000  | 4        |
| CPU Cooler                       | 1960060620N001  | 1        |
| 4-pin Phoenix DC power connector | 1652003234      | 1        |