## Features

- 19" TFT-LCD
- Intel 6th Gen. Core i3/i5 Processor
- SUS 316 Stainless Steel
- Total IP66 Grade with M12 Waterproof Connector
- Variety of IO applications
- Wide range DC 9~36V Power Input
- Support Panel Mount & VESA Mount
- Support Projected Capacitive Touch
- Full Flat Bezel and Fanless Design
- ATEX Zone2, IECEx and C1D2 Certified

## Specifications

### System

| | |
|---|---|
| CPU | Onboard 6th Gen Intel Core i3/i5 processor |
| System Chipset | SoC |
| Memory | 1 x 260-pin SO-DIMM up to 16GB DDR4 2400MHz |

### IO Port

| | |
|---|---|
| USB | 1 x M12 8-pin for 2 x USB 2.0 with waterproof cover and chain |
| Serial / Parallel | 1 x M12 8-pin for COM1, RS-232/422/485, default RS-232, with waterproof cover and chain |
| LAN | 2 x M12 8-pin for LAN with waterproof cover and chain |
| Graph | 1 x M12 8-pin for VGA with waterproof cover and chain |
| Power | 1 x M12 3-pin for DC power connector with waterproof cover and chain |

### Storage Space

| | |
|---|---|
| HDD | 1 x 2.5" HDD or SSD space<br>1 x mSATA space |
| Movable Device | 1 x Internal SD Card |

### Expansion

| | |
|---|---|
| Expansion Slot | 1 x Mini-PCIe (full size) |

### Dispalay

| Dispalay | Standard | High Brightness Optional |
|---|---|---|
| Display Type | 19" TFT-LCD | 19" TFT-LCD |
| Max. Resolution | 1280 x 1024 | 1280 x 1024 |
| Max. Color | 16.7M | 16.7M |
| Luminance (cd/m$^2$) | 350 | 1000 |
| View Angle | 170(H) /160(V) | 170(H) /160(V) |
| Contrast | 1000:1 | 1000:1 |
| Backlight Lifetime | 50,000 hrs | 50,000 hrs |

### Touch Screen

| | |
|---|---|
| Type | Projected Capacitive Touch |
| Interface | USB |
| Light Transmission(%) | 90% |

### Power

| | |
|---|---|
| Power Input | DC 9~36V |
| Power Consumption | AEx-919AP: 31W |

### Mechanical

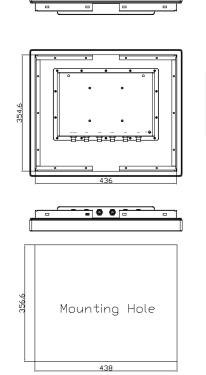| | |
|---|---|
| Construction | 316 stainless steel chassis |
| Mounting | VESA mount 100 x 100, Panel mount (option) |
| IP Rating | Total IP66 |
| Dimensions | 470 x 388.6 x 75 mm |
| Net Weight | 13.2 / 13.4 kg |

## Dimensions



470
378.9
37.5
75
100
4-M4
388.6
303.6
100
170.5
356.6
436

UNIT: mm
Tolerance: ±0.5

356.6
Mounting Hole
438

### Environmental

| | |
|---|---|
| Operating Temperature | -20~60°C |
| Storage Temperature | -30~70°C |
| Storage Humidity | 10 to 90% @ 40°C, non- condensing |
| Safety | CSA C22.2 No.61010 |
| Certificate | CE / FCC Class A,<br>ATEX Zone2 Ex nA ic IIC T4 Gc<br>Class I, Division2, Group ABCD T4<br>ANSI/ISA 12.12.01-2013<br>CSA Std. C22.2 No213-1987 |

### Operating System Support

Windows embedded 7
Windows embedded 8.1
Windows 10 IoT ENT LTSB

### Ordering Information

| | |
|---|---|
| AEX-919AP | 19" SXGA IP66 Intel Core I5-6300U 2.4GHz, fan less panel PC, 1 x SO-DIMM(260pins), Up to 16G DDR4 2400MHz, 1 x 256GB 2.5" MLC SSD, 1 x 64GB mSATA MLC SSD, Projected capacitive touch, DC9~36V power input with power adapter, 316 stainless steel enclosure, support VESA Mount, WT-20~60<br>Accessary : 1 x M12 for 2 x USB2.0 Cable, 2 x M12 LAN cable, 1 x M12 COM Cable, 1 x VGA Cable, 1 x 3pin power input cable (w/o Adapter) |
| AEX-919APH | 19" SXGA HB1000nits IP66 Intel Core I5-6300U 2.4GHz, fan less panel PC, 1 x SO-DIMM(260pins), Up to 16G DDR4 2400MHz, 1 x 256GB 2.5" MLC SSD, 1 x 64GB mSATA MLC SSD, Projected capacitive touch, DC9~36V power input with power adapter, 316 stainless steel enclosure, support VESA Mount, WT-20~60<br>Accessary : 1 x M12 for 2 x USB2.0 Cable, 2 x M12 LAN cable, 1 x M12 COM Cable, 1 x VGA Cable, 1 x 3pin power input cable (w/o Adapter) |

V 1.3

Industrial Panel PC

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