



### Features

- 19" color TFT LCD
- Aluminum (10mm) Bezel and Alu. housing (with Anti-Corrosion Coating)
- Intel Core 4th Gen i3/i5/i7 Processor
- 4G DDR3L on board
- 1 x 2.5" HDD space
- 1 x SD slot on board and 1 x CF slot (Option)
- 9~36V DC Power Input with isolated
- CE/FCC/IEC 60945 certificated
- Marine Application

### Specifications

| System         |  |
|----------------|--|
| Processor      | Intel Core i3-4010U Processor (3M Cache, 1.7 GHz) / TDP:15W<br>Intel Core i5-4300U Processor (3M Cache, 2.9 GHz) / TDP:15W |
| System Chipset | SOC  |
| System Memory  | Onboard 4GB DDR3L 1333/1600 MHz  |
| Storage        | <b>Default :</b><br>1 x 2.5" HDD space<br>1 x Internal SD slot on board<br><b>Optional :</b><br>1 x Internal CF slot       |

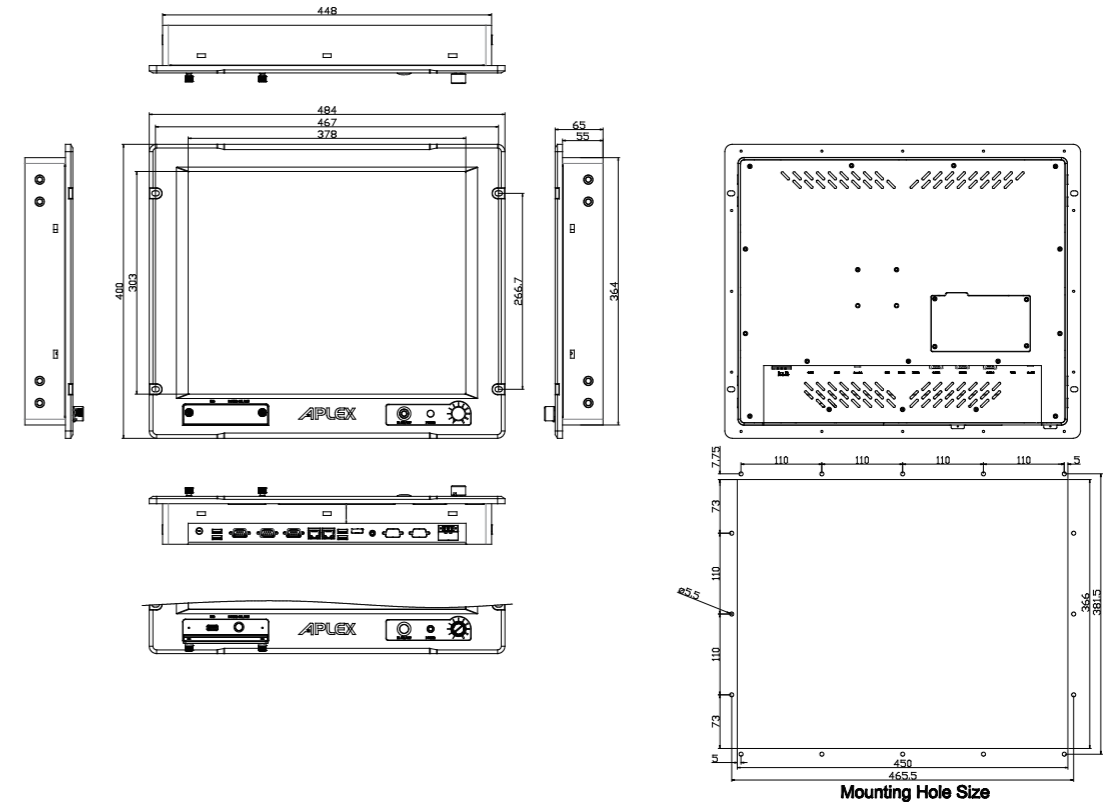
| External I/O    |  |
|-----------------|--|
| USB             | 2 x USB 3.0 type A   |
| Serial/Parallel | 1 x RS-232/422/485 selectable default RS-485 DB9 (COM 1)<br>1 x RS-232 DB9 (COM 2)<br>1 x HDMI with Cover<br>1 x Line-out, phone jack<br>1 x ESD ground  |
| LAN             | 2 x GbE RJ-45  |
| Power           | 1 x 2 pin terminal block connector (for remote power switch)<br>1 x 3 pin terminal block connector   |
| Front Side I/O  | 1 x Backlight on/off with touch on/off<br>1 x Power System LED<br>1 x VR knob Brightness Control<br>1 x Power on/off button<br>2 x LED light for power and HDD indication<br>1 x USB Port with Waterproof Cover Design |
| Option          | 2 x USB<br>1 x RS-232  |

| Expansion              |  |
|------------------------|--|
| On board expansion bus | 1 x Mini PCIe full size slot on board<br>Option wifi/BT or 3G with Antenna<br>1 x Mini PCIe full size slot on board<br>Option isolation 2 x RS-422/485 isolation |

| LCD                            |                 |
|--------------------------------|-----------------|
| Display Type                   | 19" TFT-LCD     |
| Max. Resolution                | 1280 x 1024     |
| Max. Color                     | 16.7M           |
| Contrast Ratio                 | 1000 : 1        |
| Luminance (cd/m <sup>2</sup> ) | 350             |
| View Angle                     | H: 170 / V: 160 |
| Backlight Lifetime             | 50,000 hrs      |

| Touch Screen           |                        |
|------------------------|------------------------|
| Type                   | Resistive Touch Window |
| Interface              | USB                    |
| Light transmission (%) | 80%                    |

### Dimensions



| Power             |  |
|-------------------|--|
| Power input       | 9~36V DC with isolated / AC power option |
| Power Consumption | Max: 41.8W                               |

| Mechanical    |   |
|---------------|---|
| Chassis Color | Black/ Aluminum(10mm) bezel and Aluminum housing Anti-Corrosion Coating |
| Mounting      | Panel Mount and Front access mount<br>Mounting bracket (option)         |
| Dimension     | 484 x 400 x 65 mm   |
| Net Weight    | 9.5 Kgs   |

| Environmental             |  |
|---------------------------|--|
| Operating temperature(°C) | 0°C to 50°C<br>Optional WT1 -20°C ~60°C(with industrial SSD) |
| Storage temperature(°C)   | -30°C~70°C   |
| Storage humidity          | 10 to 90% @ 40°C, non- condensing                            |
| Waterproof/Dustproof      | Front Panel IP65   |
| Certificate               | CE/FCC/IEC 60945 Certified<br>Meet IACS E10/DNV Standard     |

| Operating System Support  |  |
|---|--|
| Windows 7 Professional for Embedded Systems, Windows 7 Ultimate for Embedded Systems, Windows Embedded Standard 7, Windows Embedded 8.1 Industry Pro, Windows Embedded 8 Standard, Windows 10 IoT |  |

| Ordering information |   |
|----------------------|---|
| APC-3920-01          | 19" SXGA Marine panel PC bare bone, Intel Core i3-4010U 1.7GHz processor, 4G DDR3, 2.5" SATA2 320G Industrial HDD, with resistive touch, DC 9~36V power input with Adaptor, Aluminum(10mm) bezel and Aluminum enclosure |
| APC-3920-02          | 19" SXGA Marine panel PC bare bone, Intel Core i5-4300U 2.9GHz processor, 4G DDR3, 2.5" SATA2 320G Industrial HDD, with resistive touch, DC 9~36V power input with Adaptor, Aluminum(10mm) bezel and Aluminum enclosure |