Features

RoHS COMPLIANT

- 24" 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

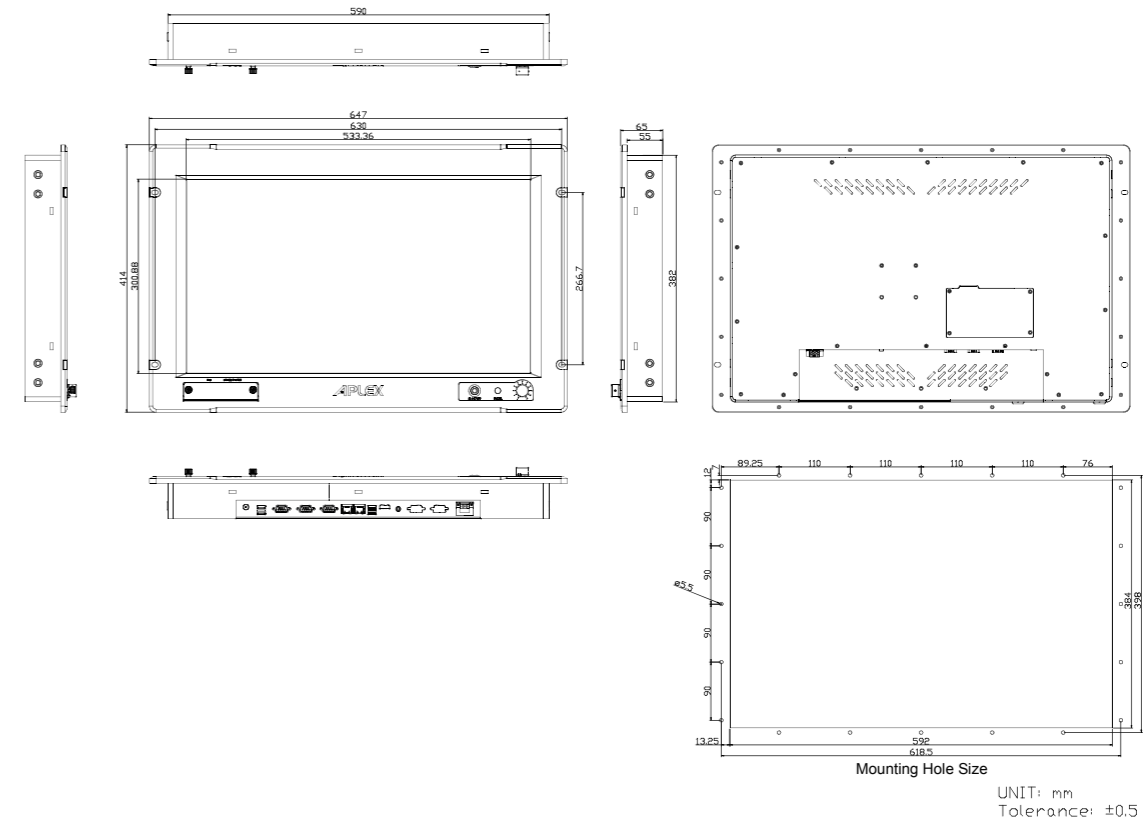|	
Processor	Intel Core i3-4010U Processor (3M Cache, 1.7 GHz) / TDP:15W Intel Core i5-4300U Processor (3M Cache, 2.9 GHz) / TDP:15W
System Chipset	SOC
System Memory	Onboard 4GB DDR3L 1333/1600 MHz
Storage	**Default :** 1 x 2.5" HDD space 1 x Internal SD slot on board **Optional :** 1 x Internal CF slot

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) 1 x RS-232 DB9 (COM 2) 1 x HDMI with Cover 1 x Line-out, phone jack 1 x ESD ground
LAN	2 x GbE RJ-45
Power	1 x 2 pin terminal block connector (for remote power switch) 1 x 3 pin terminal block connector
Front Side I/O	1 x Backlight on/off with touch on/off 1 x Power System LED 1 x VR knob Brightness Control 1 x Power on/off button 2 x LED light for power and HDD indication 1 x USB Port with Waterproof Cover Design

Expansion

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

LCD

Display Type	24" TFT-LCD
Max. Resolution	1920 x 1080
Max. Color	16.7M
Contrast Ratio	3000:1
Luminance (cd/m²)	300
View Angle	H: 178 / V: 178
Backlight Lifetime	50,000 hrs

Touch Screen

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

Dimensions

UNIT: mm
Tolerance: ±0.5

Mounting Hole Size

Power

Power input	9~36V DC with isolated / AC power option
Power Consumption	Max: 56.6W

Mechanical

Chassis Color	Black/ Aluminum(10mm) bezel and Aluminum housing Anti-Corrosion Coating
Mounting	Panel Mount and Front access mount Mounting bracket (option)
Dimension	647 x 414 x 65 mm
Net Weight	11.7 kgs

Environmental

Operating temperature(°C)	0°C to 50°C 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 Certificated 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-3420-01	24" FHD 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-3420-02	24" FHD 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

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