



### Features

- ARM Based Rugged Vehicle management
- 8" High brightness LCD
- Fanless design
- Freescale i.MX6 DualLite/Quad (option) ARM Cortex A9 processor
- Onboard 1GB DDR3 DRAM
- Onboard 4GB eMMC Flash
- Support Projected Capacitive Touch and Resistive Touch Screen
- Total IP66 with M12 Connector
- DC 6~36V wide-ranging power input

### Specifications

#### System

CPU	Freescale i.MX6 DualLite/Quad(option) ARM Cortex A9 processor 1.0GHz
Memory	Onboard 1GB DDR3 DRAM
Storage	Onboard 4GB eMMC NAND Flash
Function Keypad	5 Keys OSD for Brightness/Speaker/System power ON/OFF
Speaker	1 x 2W IP65 Speaker

#### I/O Port

Standard I/O	1 x M12 for 2 x USB 2.0 1 x M12 for 1 x 10/100/1000 Ethernet 2 x M12 for RS-232 (CAN for option/Either two) 1 x M12 DC Power input 1 x SMA connector for option GPS antenna 1 x Power LED(green) front touch panel
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#### Expansion

Expansion Slot	1 x Micro SD on board 1 x Full-size mini-PCIe socket (PCIe + USB2.0) for WIFI/ BT/ LTE (optional) 1 x SIM slot on board
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#### LCD

Display Type	8" TFT-LCD
Max. Resolution	800 x 600
Max. Color	16.2M
Contrast Ratio	500:1
Luminance (cd/m <sup>2</sup> )	1000 (default 600nits)
View Angle	140(H) / 125(V)
Backlight Lifetime	50,000 hrs

#### Touch Screen – Resistive Touch Window Type

Interface	USB
Light transmission (%)	Over 80%

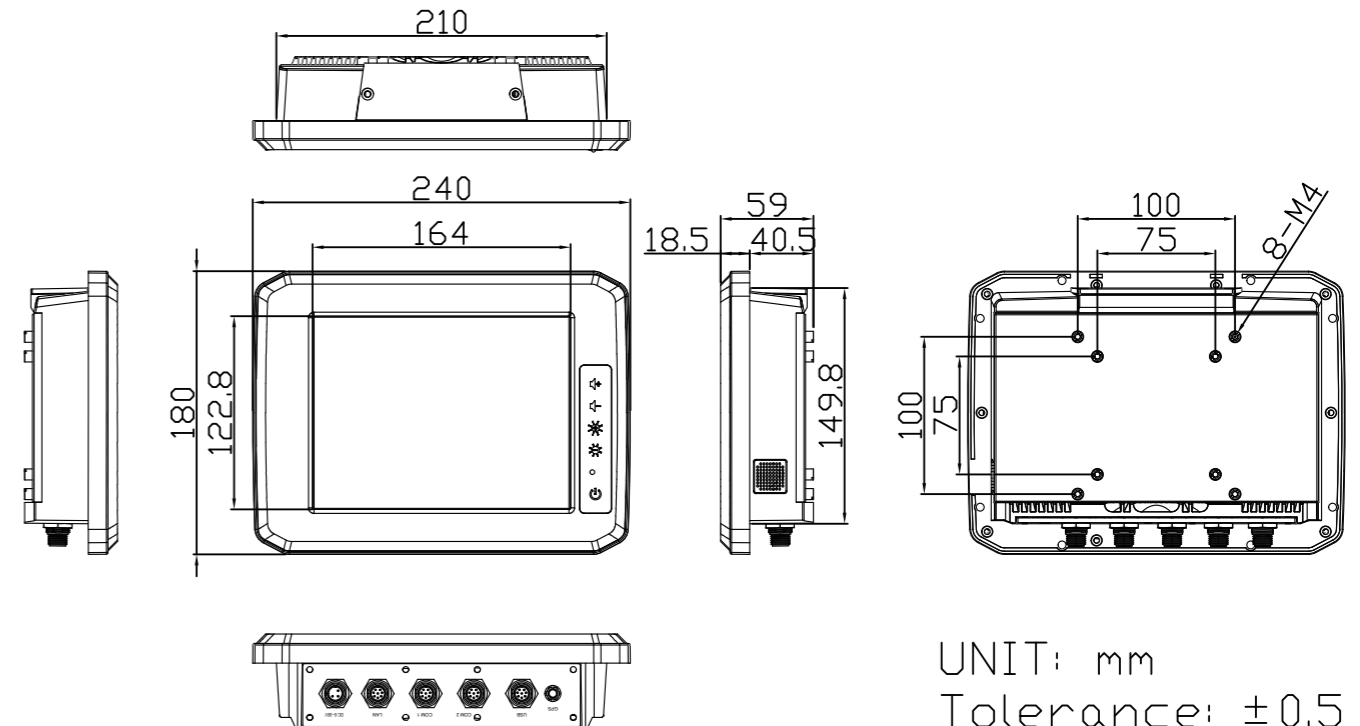
#### Touch Screen – Projected Capacitive Touch Screen

Interface	USB
Light transmission (%)	Over 90%

#### Power

Default Power Input	6~36V DC
Optional Power Input	6~36V DC + Ignition / VCC Power
Power Consumption	MAX: 7.5W

### Dimensions



UNIT: mm  
Tolerance: ±0.5

#### Mechanical

Construction	Engineering Plastic Front/Back Cover Optional Aluminum front panel
Mounting	Support VESA 75 x 75 / 100 x 100 Yoke Mount (option)
IP Rating	Front Bezel IP66
Dimension	240 x 180 x 59 mm
Net Weight	1.5 Kg

#### Environmental

Operating temperature(°C)	0~50°C WT1: -20°C~60°C for option
Storage temperature(°C)	-30~80°C
Storage humidity	10 to 90% @ 40°C, non- condensing
Certificate	Meet CE / FCC Class A / MIL810F/ IEC60068-2-27 for Vibration / Shock

#### Operating System Support

Android 5.1 / Android 6.0  
Linux 3.2 QT / Linux 4.2 QT (TBD)

#### Ordering Information

APC-3083T 8" SVGA 1000nits Rugged panel PC, i.MX6DL1.0G/1G/4GeMMC, resistive touch, 6~36V DC input with Adaptor, Rugged Plastic housing, Full IP66 with M12

