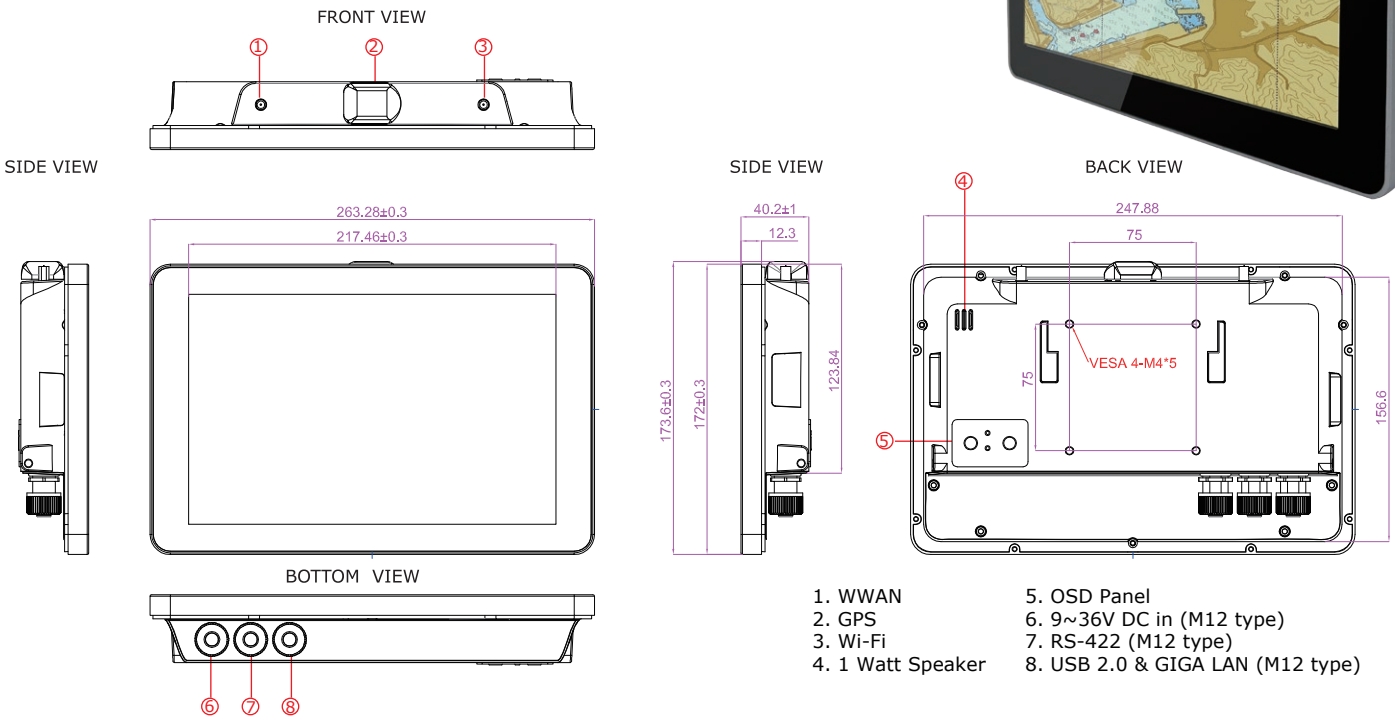
# 10.1” Marine Panel PC - W10IB3S-MRH2

## Features

- 1280x800 resolution
- P-Cap multi-touch screen
- Front IP65 and full IP44 ratings
- Isolated connectors (M12 type)
- Wireless communications - Wi-Fi, WWAN, GPS (optional)
- Optical bonding with touch screen available on request




1. WWAN
2. GPS
3. Wi-Fi
4. 1 Watt Speaker
5. OSD Panel
6. 9~36V DC in (M12 type)
7. RS-422 (M12 type)
8. USB 2.0 & GIGA LAN (M12 type)

## Specifications

### System :

- Processor : Intel® Celeron® Bay Trail-M N2930 1.83GHz
- System Chipset : Intel® ATOM SoC Integrated
- System Memory : 4GB DDR3L 1066/1333 SO-DIMM
- Storage : 64GB mSATA SSD
- Security : Trusted Platform Module (TPM 1.2)
- Operating System : Windows 10 IoT Enterprise
  : Windows Embedded 8.1 Industry Pro
  : Windows Embedded 8 Standard
  : Windows 7 Pro for Embedded Systems
  : Windows Embedded Standard 7– WS7P

### Display Spec :

- Size/Type : 10.1" TFT (Widescreen)
- Resolution : 1280x800
- Brightness : 300 cd/m (typ.)
- Contrast Ratio : 800:1 (typ.)
- Viewing Angle : -89~89(H);-89~89(V)
- Max Colors : 262K(6bit)
- Touch : Projective-Capacitive Touch

### Input / Output Connectors :

- Serial Port : 2 x RS-422 (M12 type)
  *1 x RS-422 when with WWAN (M12 type)
- USB Port : 1 x USB 2.0 (M12 type)
- Ethernet : 1 x Gigabit LAN (M12 type)
- Speaker : 1 x 1 Watt Speaker

### Wireless Communications :

- *Wi-Fi : 802.11 a/b/g/n/ac (optional)
- *WWAN : 3G (HSPA+,GSM/G PRS/EDGE) (optional)
- *GPS : U-blox GPS Module (optional)

### Mechanical Specification :

- Cooling System : Fanless design
- Mounting : VESA Mount (75x75mm)
- Dimensions (W x H xD) : 263.28 x 173.6 x 40.2 (mm)
- Net Weight : 1.64 kg
- Gross Weight : 2.18 kg

### Environment: :

- Operating Temperature : -15°C to +55 °C
- Operating Humidity : 5% to 95% (non-condensing)
- Anti-Vibration : 0.7g@DNV2.4 (Class A)
- IP Rating : Front: IP65 water and dust proof
  Full: IP44

### Power Considerations :

- Power Input : 9~36V isolated DC in (M12 type)

### Standards and Certifications:

- Comply with IEC60945 (test report)
  FCC Part 15B Class B
  CE

### Software Support :

- SDK : Watchdog SDK

*optional