

26" Flat P-CAP Marine Panel PC

Model: WPM-MAR-PC-W2600P-i5



FEATURES

- 26" 1920 x 1200 resolution with projective capacitive multi-touch screen
- Edge-to-edge narrow bezel design and fanless cooling system
- Color calibrated for ECDIS compliance (Optional)
- Capacitive touch keys for quick function access and display control (Support DAY, DUSK, and NIGHT mode switching)
- Optional 4 x COM port (NMEA 0183 protocol) 422/485 switchable via software
- Meet the requirements of Industrial marine standards, including IEC60945 4th Edition, DNVGL-CG-0339, IACS E10
- Support capacitive touch key lock / touchscreen lock function

TFT CHARACTERISTICS

Resolution	1920 x 1200
Pixel Pitch	0.2865(H) x 0.2865 (V) mm
Contrast Ratio	1500:1 (typ.)
Brightness	350 nit
Viewable Angle	85°/85°/80°/80° (typ.) (Up/Down/Left/Right)
Active Display Area	550.1 (H) x 343.8 (V) mm
Max Colors	16.7 M colors, 8 bits/color
Touch Screen	Projective Capacitive Multi-touch (Optional AR Protection Glass)

SBC SPECIFICATIONS

Processor	5 Gen. Intel Core i5-5250U Broadwell, 1.60 GHz (turbo up to 2.70 GHz)
System Memory	1 x DDR3L-1066 SODIMM (Default 4GB, Max 16GB)
Ethernet	Dual Ethernet Gb LAN
Storage	64GB mSATA SSD (Up to 256GB)
Second Storage	2.5" Removable Storage Tray
Speaker	2 x 2W Speaker
Buzzer	75 dB~80 dB, 2300 Hz, 1m

POWER SPECIFICATION

Power Supply Options	*24V DC-in with Isolation (9~36V acceptable)
Power Consumption	80W (Max)

CERTIFICATION AND APPROVALS

DNVGL-CG-0339, IEC60945 4th, IACS E10, CE, FCC

*Only 24V DC have approval by DNVGL certificate

MECHANICAL

Mechanical Mounting	Panel Mount, VESA Mount
Housing	Anodized Aluminum Bezel
IP Rating	IP66 (Front Side)
Dimension	621mm x 432.4mm x 85.5mm
Panel Mount Cutout	598mm x 408mm

INPUT / OUTPUT CONNECTORS

Ethernet LAN	2 x RJ45
COM (D-SUB)	1 x R S 232/422/485
USB	1 x USB2.0, 2 x USB3.0
HDMI	1 x HDMI
NMEA Interface	4 x N M E A 0183 Port (Optional)
Digital IN/OUT	8 Channel Isolated Digital Input/Output (Optional)
DC power	1 x 3-Pin Terminal Block (Phoenix type)

ENVIRONMENTAL

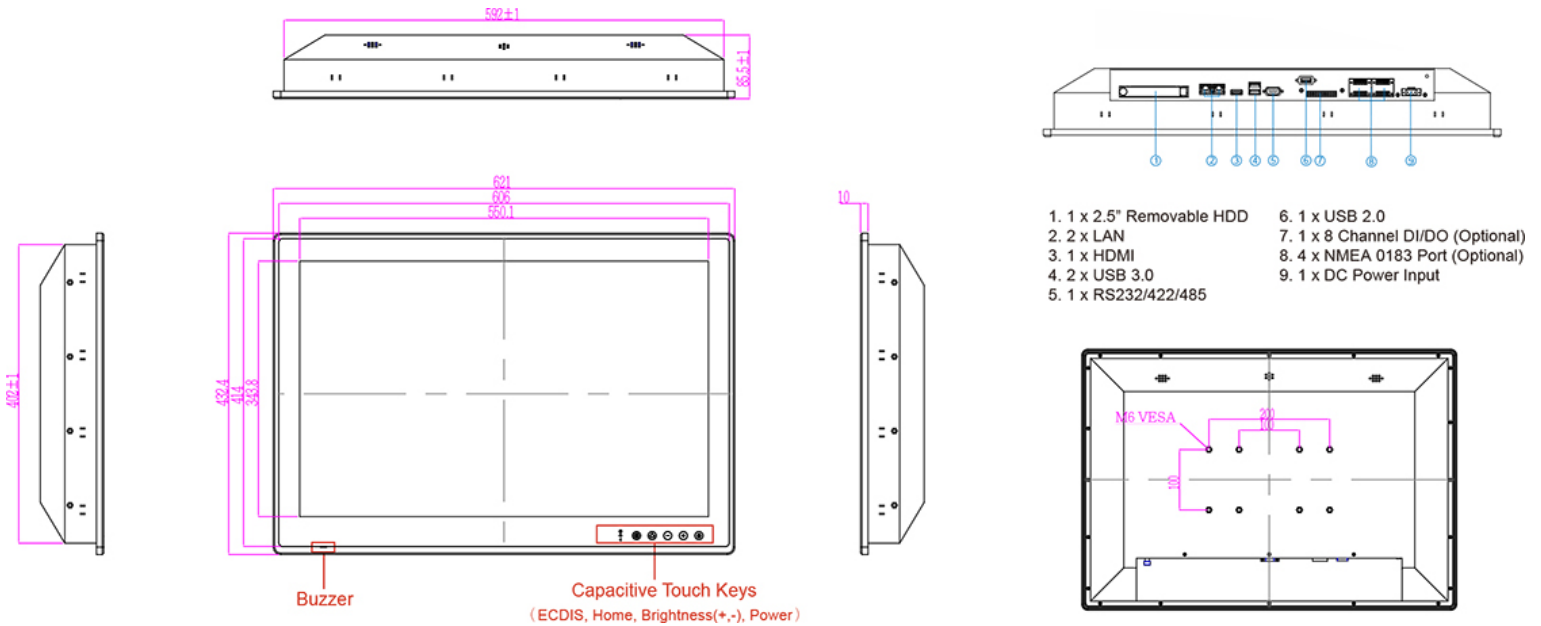
Operating Temperature	-15 to 55 deg.C
Operating Humidity	5% to 95%(non-condensing)
Anti-Vibration	0.7g@DNVGL CG-0339 (Class A)
Anti-Shock	15G, 11ms duration

OS SUPPORT

Operating System (Optional)	Windows 10 IoT Enterprise Windows Embedded 8.1 Industry PRO Windows Embedded 8 Std. Windows Embedded Std. 7
-----------------------------	--

Model: WPM-MAR-PC-W2600P-i5

MECHANICAL DRAWING



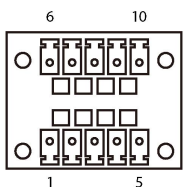
OPTIONAL DIGITAL INPUT / OUTPUT CONNECTOR

Eight channel isolated digital input and output connector with on-board optical isolation protection output up to 1.5KVdc.



Pin No.	Symbol	Description
1	DO_COM	DO Port Reference Voltage Level
2	DO_0	Digital Output 0
3	DO_1	Digital Output 1
4	DO_2	Digital Output 2
5	DO_3	Digital Output 3
6	ISOGND	Isolated Ground
7	DIO	Digital Input 0
8	DI1	Digital Input 1
9	DI2	Digital Input 2
10	DI3	Digital Input 3

OPTIONAL NMEA 0183 PORT



Pin No.	Symbol	Pin No.	Symbol
1	TxDI-	6	TxD2-
2	TxD1+	7	TxD2+
3	GND	8	GND
4	RxDI-	9	RxD2-
5	RxD1+	10	RxD2+