

Marine R24 Flat PPC - Core i5

Fanless Marine-Grade Panel PC with 24" display and Intel® Core™ i5-5200U CPU

Features

- 24" Fanless Marine-Grade Panel PC
- Front IP66 PCAP multi touch screen
- Resolution: 1920 x 1080
- Capacitive touch keys for quick access and features
- Optional 4x NMEA 0183 ports

System

CPU	Intel® Core™ i5-5200U up to 2.2GHz
Chipset	Intel® 8 series QM87
RAM	1x 4GB DDR3-1600 SODIMM up to 16GB
Storage	1x 128GB mSATA SSD, more capacity optional
LAN Chipset	Dual Ethernet Gigabit LAN
Operating System	Windows® 10 IoT, Windows® 8 Embedded, Windows® 8 Industrial, Windows® 7 Pro, Windows® 7 Embedded

Display

Display Size	24" (60,96cm)
Touch Type	PCAP multi-touch screen
Resolution	1920 x 1080
Color	16.7M colors (8-bit/color)
Viewing Angle	178 (H) / 178 (V)
Contrast	5000:1
Brightness	350 cd/m ²

Interface

USB	2x USB 2.0, 1x USB 3.0
Ethernet	2x RJ-45 Gigabit Ethernet ports
Serial Ports	1x RS-232/422/485 1x RS-232 (optional and n/a with ECDIS) 4x NMEA 0183 ports (optional)
Video	1x HDMI
Power Input	1x 24V DC-in with terminal block isolated, 9 ~ 36V acceptable
Power Consumption	80W

Mechanical / Environmental

IP Protection	Front IP66
Dimensions	595 x 385 x 73.8mm (W x H x D)
Operating Temp.	-15° ~ 55°C
Humidity	5% ~ 95%, non-condensing
Certifications	FCC, CE, IEC60945 4 th

Front



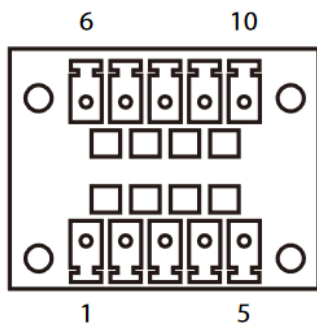
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Optional DIO connector (8-channel)



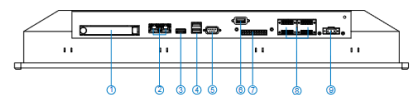
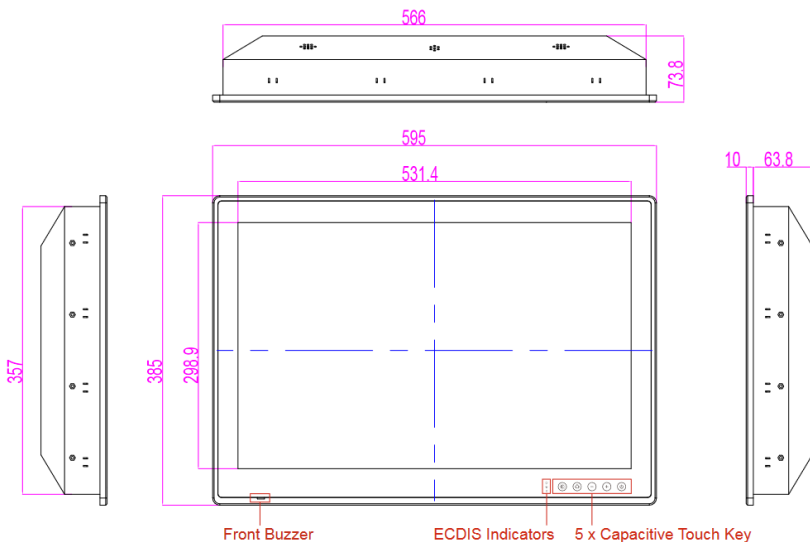
Pin No.	Symbol	Description
1	DO_COM	DO Port Reference Voltage Level
2	DO_0	Digital Output 0
3	DO_1	Digital Output 1
4	DO_2	Digital Output 2
5	DO_3	Digital Output 3
6	ISOGND	Isolated Ground
7	DI0	Digital Input 0
8	DI1	Digital Input 1
9	DI2	Digital Input 2
10	DI3	Digital Input 3

Optional NMEA 0183 port



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

Technical drawing



- 1. 1 x 2.5" Removable HDD
- 2. 2 x LAN
- 3. 1 x HDMI
- 4. 1 x USB 3.0, 1 x USB 2.0
- 5. 1 x RS232/422/485
- 6. 1 x USB 2.0
- 7. 1 x 8 Channel DI/DO (Optional)
- 8. 4 x NMEA 0183 Port (Optional)
- 9. 1 x DC Power Input

