

# MILITARY GRADE PANEL PC

10.4" Military grade Panel PC Full IP65 Fanless, 1024x768  
with Intel Bay Trail N2930 1.83GHz and 5 Wire Resistive Touch

Model: WRD1040-J



## FEATURES:

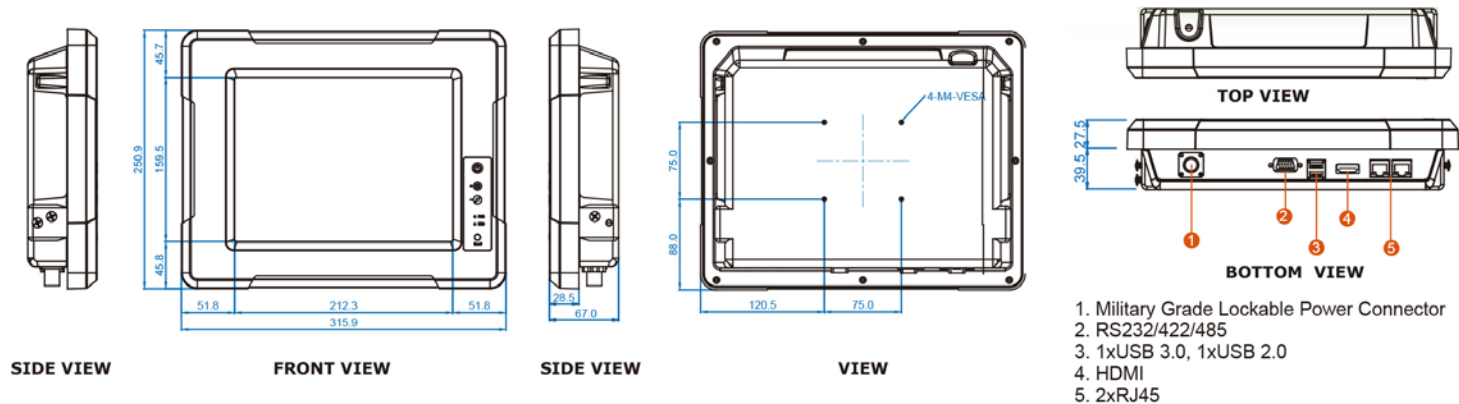
- Military grade power connector
- Ultra Low Power and High Performance Intel Bay Trail N2930 1.83GHz
- Fanless Design
- High Quality 10.4" Panel, 1024x768 Resolution
- Full IP65 Dust/water resistant Protection (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL810F/G & IEC60068-2-27
- Wide Range 9 to 36V DC Input Acceptable
- 5 Wire Resistive Touchscreen / Anti-Reflection Protection Glass (Optional)
- 802.11b/g/n Wireless LAN with Antenna(Optional)

## SPECIFICATIONS:

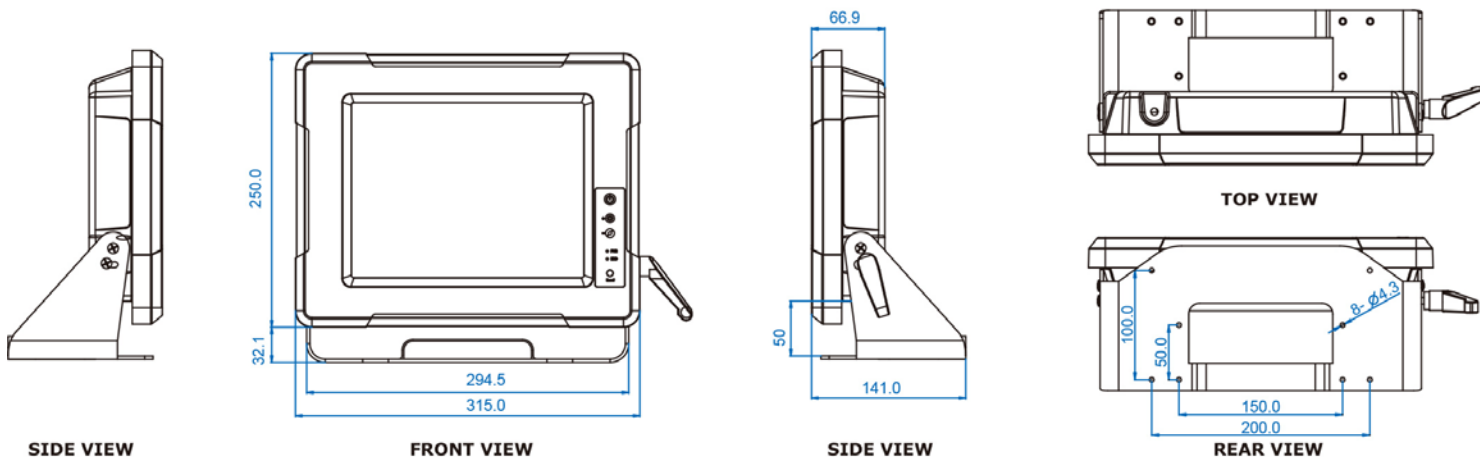
DISPLAY SPECIFICATION	
Size	10.4"
Resolution	1024 x 768
Contrast Ratio	1200:1 (typ.)
Panel Brightness	350 (typ.)
Display Color	16.2M
Viewing Angle	-88~88 (H); -88~88 (V)
Touch	4 Wire Resistive/ 5 Wire Resistive
Mesh Film Coating	Optional
SYSTEM SPECIFICATION	
Processor	Intel® Bay Trail N2930 1.83GHz
BIOS	AMI 16 Mbit
Chipset	Intel® SoC Integrated
Memory	1 x DDR3L 1066 MHz SO-DIMM (default 4GB, max.8GB)
Lan Controller	Intel® I210-AT GbE
Storage	mSATA SSD (default 64GB)
Expansion Slot	1 x Mini PCIe for wireless
I/O CONNECTORS	
Back Panel I/O Port	2 x RJ-45(10/100/1000 Mbps), 1 x HDMI, 1 x Military Grade Lockable Power Connector, 1x USB 2.0, 1x USB 3.0, 1x RS232/422/485 WLAN antenna SMA in top(Optional)
CERTIFICATIONS	
CE/FCC Class B	

IN FRONT CONTROL	
Control Button	Power On/ Off Reset Brightness Up Brightness Down
Led indicator	Power On/ Off HDD Status
MECHANICAL AND ENVIRONMENT	
Dimensions (W x L x H)	315 x 250 x 67 mm
Power Input	12V DC IN / MIL-grade connector
Operation Humidity	10% to 95% (non-condensing)
Shock*	Operating: 30g for 18ms, 300m/s <sup>2</sup>
Vibration*	Operating: 1.60/1.96/2.18 g rms for XYZ / 5-500Hz
Certifications	CE, FCC Class B, MIL-STD-810F/G, IEC60068-2-27 for Vibration /Shock
Storage Temperature	-20°C ~ 70°C
Operating Temperature	-20°C ~ 70°C
PRODUCT OPTION ITEMS	
Mounting Bracket and Kits	One robust bracket with locking handle (Can adjust from -5° to 90°)
OS	Windows Embedded 7 Windows Embedded 8 Windows 10 IoT Enterprise
EMI ITO Glass	3 mm Anti-reflective Protection Glass (w/o Touch)
Wide Power Input Range	9V to 36V wide range acceptable for optional
ENVIRONMENTAL(MIL-STD 461E/F COMPLIANCE)	
RE	RE 101 / RE 102
CE	CE 101 / CE 102
Optional with EMI Glass / Touch	
RS	RS101 / RS103
CS	CS 101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116

## MECHANICAL DRAWINGS:



## WITH MOUNTING BRACKET



Measurements shown in mm / All Dimensions are  $\pm 0.5$  mm

★ Note: this is a simplified drawing and some components are not marked in detail. Please contact our sales representative if you need further product information.