R08IB3S-MLU1
8.4" G-WIN Military Panel PC

KEY FEATURES

- 5 Wire Resistive Touchscreen / Anti-Reflection Protection Glass (Optional)
- 802.11 b/g/n Wireless LAN with Antenna (Optional)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL-STD-810F/G & IEC60068-2-27
- Fanless Design
- Full IP65 Dust/water resistant Protection (Except I/O parts)
- High Quality 8.4" Panel, 800 x 600 Resolution
- Military grade power connector
- Ultra Low Power and High Performance Intel® Bay Trail N2930 1.83 GHz
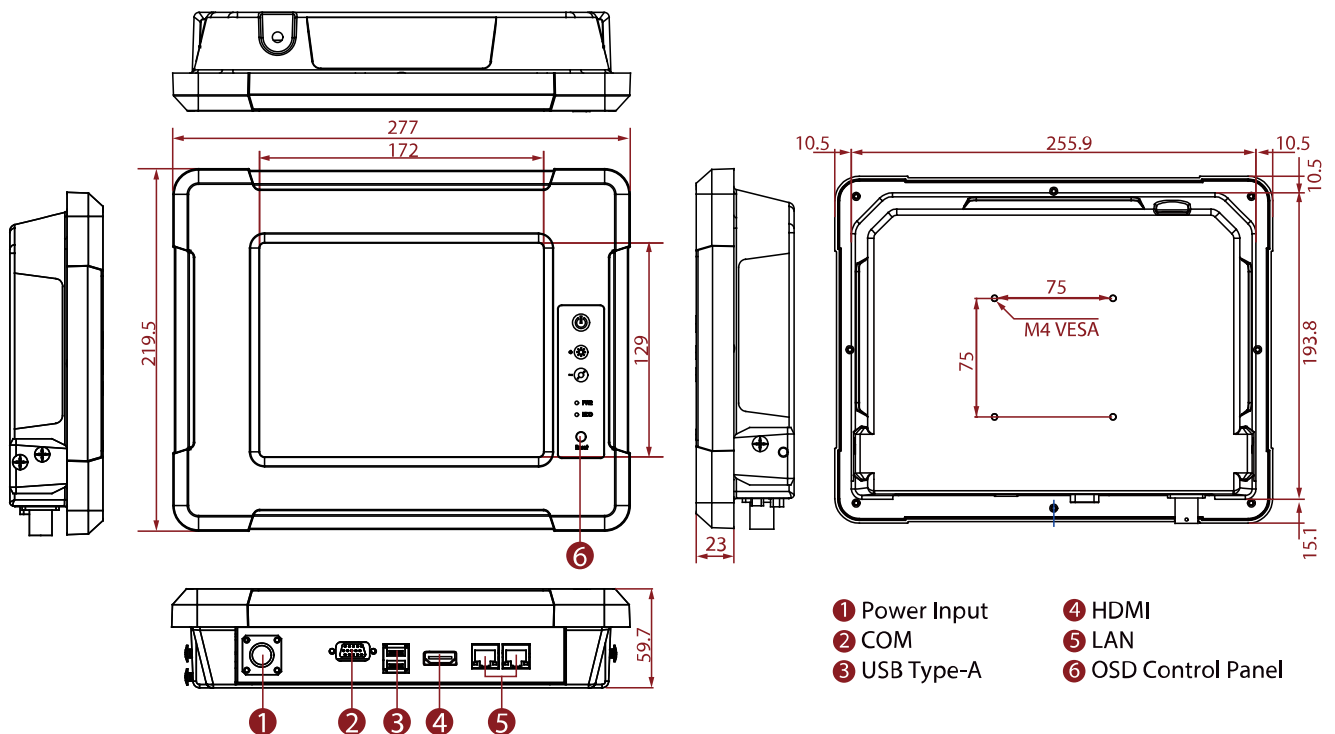- Wide Range 9 to 36 V DC Input Acceptable

SPECIFICATIONS

Display

Resolution	800x600	**Size**	8.4 inches
Contrast Ratio	600:1	**Panel Brightness**	600 nits
View Angles	75,75,60,70	**Type**	Resistive Touch Screen AR Glass(Optional)

System Specification

Processor	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)	**Memory**	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB(Optional)
Storage	1 x mSATA SSD 64GB. mSATA SSD up to 512GB.(Optional)	**Expansion**	1 x mPCIe slot(for half size Wifi module) 1 x mPCIe slot(for SSD)
Ethernet controller	2 x Intel® Ethernet Controller I210-AT	**Security**	TPM 2.0
Operating System	Windows 7 Embedded Systems(Optional) Windows 10 IoT Enterprise(Optional) Linux Ubuntu 18.04(Optional)		

Environment

Operating Humidity	10% to 95% RH	**Operating Temperature**	-20°C~70°C
Storage Temperature	-30°C~80°C	**Shock**	Operating:30g for 18ms
Vibration	Operating: 1.60/1.96/2.18 g rms for XYZ / 5-500Hz		

Compliance

Compliance	MIL-STD 461E/F (Compliance) RE101 / RE102 CE101 / CE 101 RS101 / RS 103 CS101 / CS 106 / CS 109 / CS 114 / CS 115 / CS 116 MIL-STD 810F/G (Compliance) Vibration MIL-STD-810F/G Method 514.5 Humidity MIL-STD-810F/G Method 507.4 Transit Drop MIL-STD-810F/G Method 516.5 with EMI Glass / Touch(Optional)

Certification			
Certification	CE, FCC		
IO Ports			
USB Port	1 x USB2.0 1 x USB3.0	**Serial Port**	1 x RS232(Default)/422/485
Video	1 x HDMI(Optional)	**LAN**	2 x RJ-45
Indicator	Power On/ Off HDD Status		
Mechanical			
Dimension	255.92 x 193.83 mm	**Weight**	2.3 kg
Mounting	VESA Mount	**Enclosure**	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design		
Accessory			
Accessory	User Manual Driver CD and User Manual Touch Driver CD Open Wire Cable		
Power			
Power Rating	12V DC (MIL-DTL-38999/1 connector) 9V to 36V wide range (Optional)		
Control			
Button	4 Keys: Power, Brightness Up, Brightness Down, Reset		

DIMENSIONS UNIT:MM

❶ Power Input ❹ HDMI
❷ COM ❺ LAN
❸ USB Type-A ❻ OSD Control Panel

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the

Winmate Sales Team for more information.