R08IB3S-VMU1

8.4" Intel® Celeron® N2930 G-WIN Vehicle Mount Panel PC

KEY FEATURES

- Intel® Celeron® Bay Trail N2930 1.83GHz Processor Fanless Design
- High Quality 8.4" Panel, 800 x 600 resolution
- Front IP65 Dust / water resistant Protection (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL-STD-810F/G
- 5 Wire Resistive Touchscreen / Anti-Reflection Protection Glass (Optional)
- WLAN with Antenna (Optional)
- 10 ~ 60V DC Isolation Wide Range Power Input. Optional Ignition on/off control function.
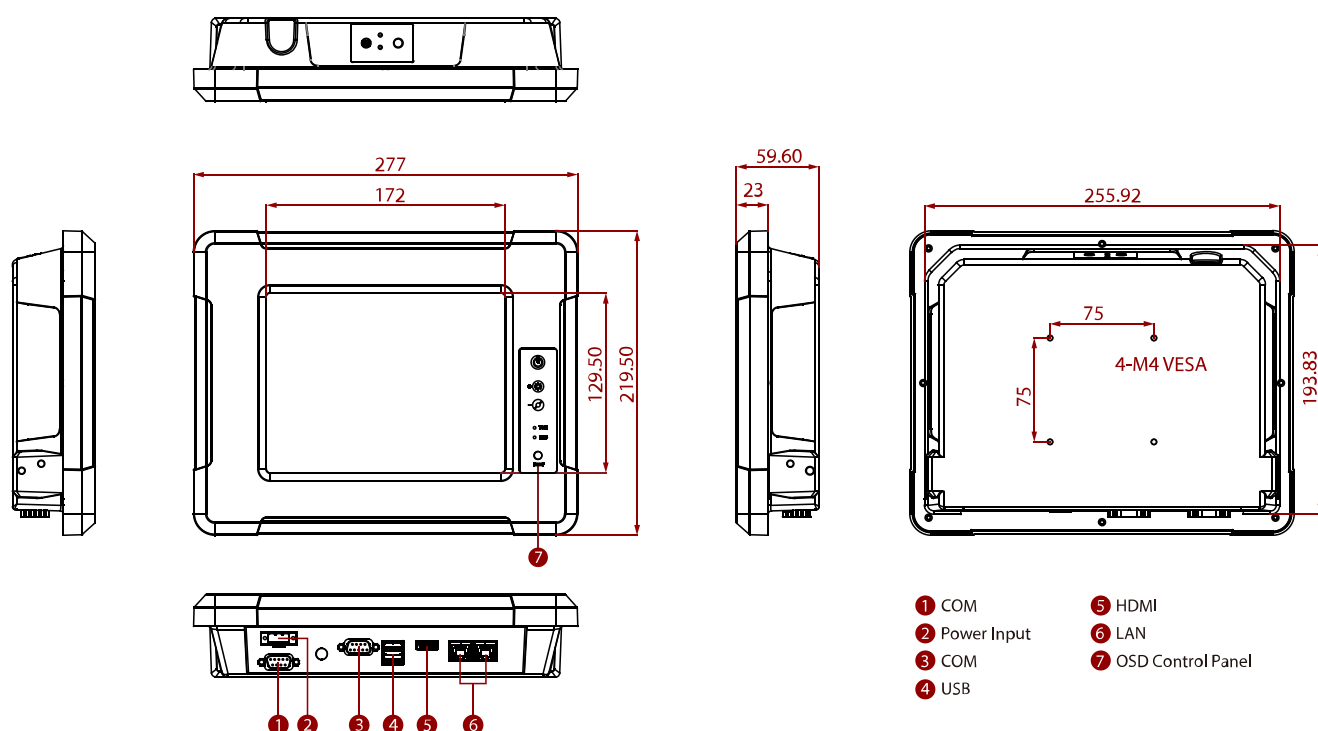- Design to meet EN50155

CE FC

SPECIFICATIONS

System Specification

Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x mSATA SSD 128GB. mSATA SSD up to 512GB. (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)	WLAN	Support (Optional)
BT	Support (Optional)		

Display

Resolution	800x600	Size	8.4 inches
Contrast Ratio	600:1	Panel Brightness	600.0 nits
View Angles	75,75,60,70	Active Area	170.4x127.8 mm
Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

Mechanical

Dimension	277 x 219.5 x 59.6 mm	Weight	2.2 kg
Mounting	VESA Mount Yoke Mount	Enclosure	Aluminum Housing
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-10°C to 55°C
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I (Optional)
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	Front IP65

Certification

Certification	CE, FCC

IO Ports

Power Input	1 x10~60V DC, 3-Pin Terminal Block	USB Port	1 x USB3.2 Gen1x1 (Type-A) 1 x USB2.0 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x HDMI 1.4 (Optional)
Expansion Port	1 x mPCIe slot(for half size Wifi module)	LAN	2 x Giga LAN RJ45 Connector
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage		

Control	
Button	1 x Power Button 1 x Reset Button 1 x Brightness Up button 1 x Brightness Down button

Accessory			
Accessory	Open Wire Cable with terminal block connector VESA screws	Optional Accessory	Yoke mount stand (Optional) 100~240V AC to DC Adapter with power cord (Optional)

DIMENSIONS   UNIT:MM

❶ COM   ❺ HDMI
❷ Power Input ❻ LAN
❸ COM   ❼ OSD Control Panel
❹ USB

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Windows 10 operating system requires installing a new version of BIOS and OS image.
3. Windows 7 does not support the TPM 2.0 function.
4. Please contact our sales representative if you need further product information.
5. All specifications are subject to change without prior notice.
6. 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.