

# Rugged Panel PC



## Model:R10IB3S-VMP3

### Product Features:

- Ultra Low Bay Trail N2930 1.83GHz Processor Fanless Design
- High Quality 10.4" Panel, 640 x 480 resolution
- Full IP65 Dust / Water Proof Enclosures (Except I/O parts)
- Aluminum Housing with Anti-Corrosion Treatments
- Anti-Shock and Vibration Standard according to MIL-STD-810F/G & IEC60068-2-27
- 5 Wire Resistive / Infrared Touchscreen / Anti-Reflective Protection Glass (Optional)
- Optional GPS, 3G / WLAN(Either one). Digital IO / Canbus (Either one)
- Wide Range 9 to 36V DC Input with isolation
- Optional 6-60V DC Input, and Optional for Ignition On/Off delay
- Compliance with EN50155 for EMC & Characteristic



### Product Specifications:

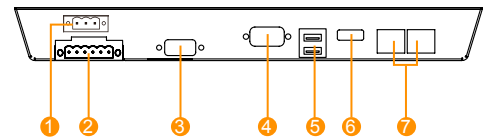


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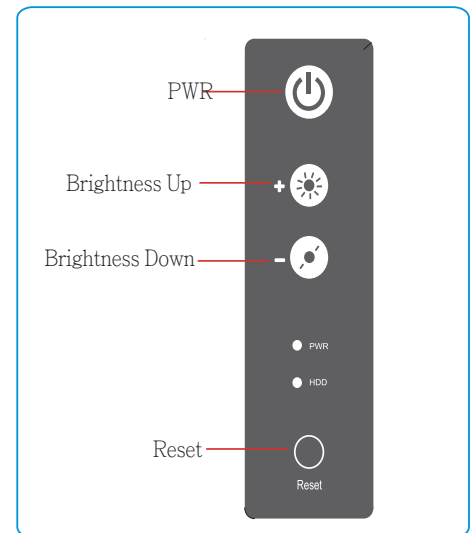
|                        |  |  |   |
|------------------------|--|--|---|
| Display                | Model Name                               | R10IB3S-VMP3   |   |
|                        | Size                                     | 10.4"  |   |
|                        | Resolution (pixels)                      | 640 x 480  |   |
|                        | Number of Colors                         | 262,144 (6bits/color)  |   |
|                        | Brightness (cd/m <sup>2</sup> )          | 400  |   |
|                        | Contrast Ratio                           | 700 :1 (typ.)  |   |
|                        | Viewing Angle                            | -80~80 (H) ; -60~80 (V)  |   |
|                        | Active Area                              | 211.2 (H) x 158.4 (V)  |   |
| System                 | Touch (optional)                         | 5 Wire Resistive / IR Touch  |   |
|                        | Processor                                | Intel® Bay Trail N2930 1.83Ghz Processor   |   |
|                        | Chipset                                  | Bay Trail SoC Chipset  |   |
|                        | BIOS                                     | AMI 16Mbit Flash   |   |
|                        | Memory                                   | 1xDDR3L 1600 MHz SO-DIMM, default 4GB, Max. 8GB                                  |   |
|                        | Ethernet                                 | Intel® I210-AT GbE LAN   |   |
|                        | Storage                                  | mSATA SSD, default 64GB  |   |
|                        | Expansion Slot                           | 1 x Mini PCIe slot (for wireless module)<br>1 x Mini PCIe slot (for SATA SSD)    |   |
| Input / Output         | Back Panel I/O Port                      | 2 x RJ-45 (10/100/1000 Mbps)   |   |
|                        |  | 1 x HDMI   |   |
|                        |  | 1 x DC-in Jack (Phoenix type)  |   |
|                        |  | 1 x USB 3.0, 1 x USB 2.0   |   |
|                        |  | 1 x RS232/422/485, 1 x RS232   |   |
| Environment            | Operating Temperature                    | -25 deg.C to 55 deg.C  |   |
|                        |  | Storage Temperature  | -30 deg.C to 70 deg.C   |
|                        |  | 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   |
|                        |  | Power Input  | 9~36V DC in with isolation (Phoenix type)<br>Optional 6-60V DC in, with Ignition On/Off delay |
| Mechanical             | Dimensions (W x L x H)                   | 315 mm x 250 mm x 67 mm  |   |
|                        |  | Windows Embedded Standard 7 (64-bit)   |   |
| Driver OS Support      | Windows Embedded 8.1 Industry Pro 64-bit | Windows Embedded 8.1 Industry Pro 64-bit   |   |
|                        |  | Windows 10 IoT Enterprise  |   |
|                        |  | Certifications   | CE/FCC Class B, MIL-STD-810F/G / IEC60068-2-27 for Vibration / Shock                          |
| Packing List           | (IB32) SBC Manual & Driver CD            |  |   |
| Product Optional Items | Mounting Bracket and Kits                | One robust bracket with locking handle<br>(Can adjust from -5 deg.C to 90 deg.C) |   |
|                        | Sunlight Readable                        | Transflective film enhancement for optional                                      |   |
|                        | Anti-reflective Glass                    | 3 mm (Replace touch)   |   |
|                        | WLAN / 3G                                | Either one   |   |
|                        | GPS                                      | USB interface  |   |
|                        | Digital IO / Canbus                      | Either one   |   |

### I / O View:



1. 9~36V Terminal Block
2. CanBus / DIO (Optional)
3. RS232
4. RS232/422/485
5. 1xUSB 3.0 1xUSB 2.0
6. HDMI
7. 2xLAN

### Front OSD Control Function:



### Drawing w / Mounting bracket:

