

# R12IB3S-OFM2

## 12.1" Intel® Celeron® N2930 Open Frame Panel PC



### KEY FEATURES

- 12.1" TFT LCD Open Frame Panel PC
- Intel® Bay Trail-M Quad Core™ Celeron® N2930
- SO-DIMM DDR3L 1600, max. 8 GB
- Integrated VGA, Dual-channel 24-bit LVDS, HDMI (Optional)
- 2 x Gigabit Ethernet
- 1 x SATA, 1 x USB 2.0, 1 x USB 3.0, 1 x HDMI (Optional), 2 x COM, 1 x Mini PCIe slot

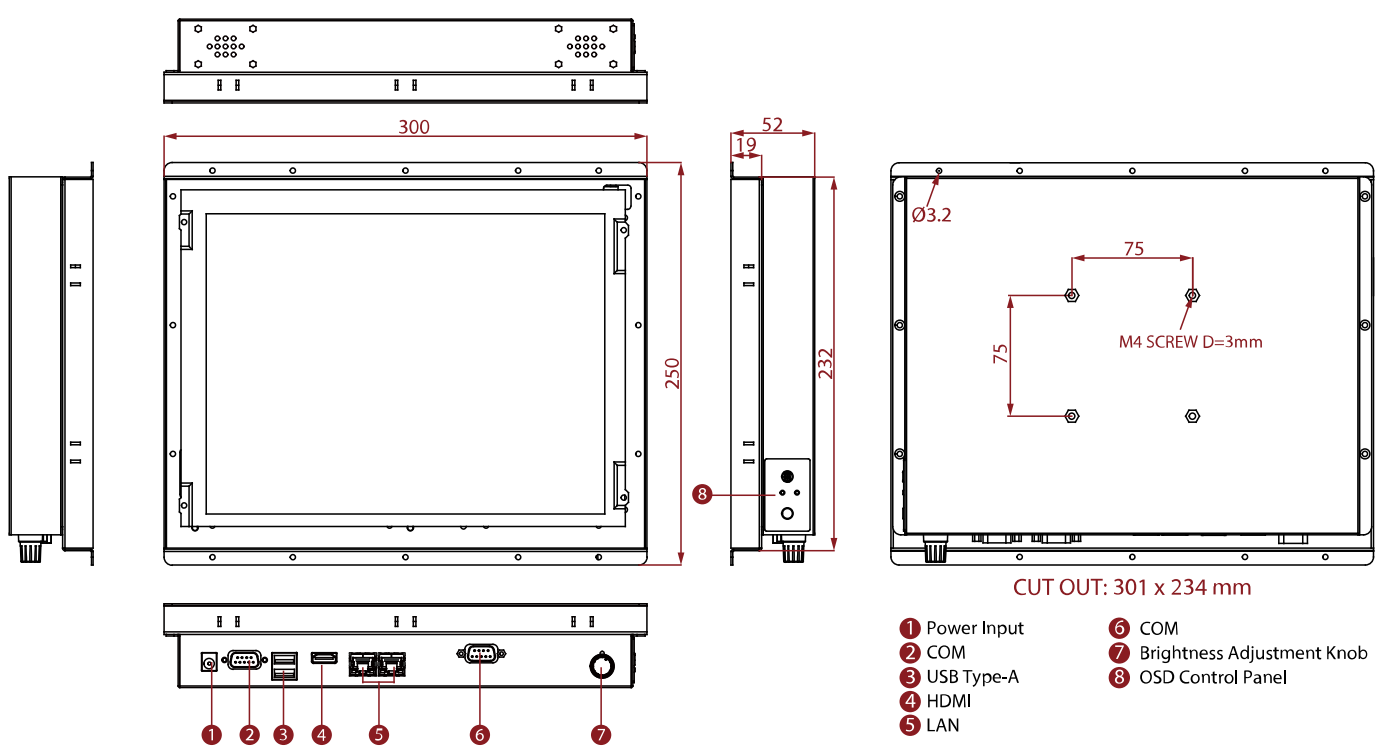


### SPECIFICATIONS

| Display              |   |                       |  |
|----------------------|---|-----------------------|--|
| Resolution           | 1024x768  | Size                  | 12.1 inches  |
| Contrast Ratio       | 1000:1  | Panel Brightness      | 500.0 nits   |
| View Angles          | 89,89,89,89   | Active Area           | 245.76x184.32 mm                                   |
| Touch / Glass        | Resistive Touch Screen (Optional)<br>Protection Glass Without Touch Function (Optional) |                       |  |
| System Specification |   |                       |  |
| Processor            | Intel Celeron N2930 1.83GHz (up to 2.16GHz)   | Memory                | 1 x SO-DIMM, DDR3L 1600 MHz, 4GB<br>8GB (Optional) |
| Storage              | 1 x mSATA SSD 128GB<br>256GB (Optional)<br>512GB (Optional)                             | Ethernet controller   | 2 x Intel® Ethernet Controller                     |
| Operating System     | Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 20.04 (Optional)          | WLAN                  | Support (Optional)                                 |
| BT                   | Support (Optional)  |                       |  |
| Mechanical           |   |                       |  |
| Dimension            | 300 x 250 x 52 mm   | Weight                | 2.3 kg   |
| Mounting             | Open Frame<br>Panel Mount<br>VESA Mount   | Enclosure             | Metal Housing                                      |
| Cooling System       | Fanless design  |                       |  |
| Environment          |   |                       |  |
| Operating Humidity   | 10% to 90% RH, Non-Condensing   | Operating Temperature | 0°C to 50°C  |
| Storage Temperature  | -10°C to 60°C   |                       |  |
| Certification        |   |                       |  |
| Certification        | CE, FCC   |                       |  |
| IO Ports             |   |                       |  |
| Power Input          | 1 x 12V DC, 2.5φ DC jack  | USB Port              | 1 x USB3.2 Gen1x1 (Type-A)<br>1 x USB2.0 (Type-A)  |
| Serial Port          | 1 x RS232/422/485 (Default RS232)<br>1 x RS232  | Video                 | 1 x HDMI 1.4 (Optional)                            |
| Audio                | 2 x Speaker   | Expansion Port        | 1 x mPCIe slot(for SSD)                            |

|                        |  |                  |  |
|------------------------|--|------------------|--|
| <b>LAN</b>             | 2 x Giga LAN RJ45 Connector                            | <b>Indicator</b> | 1 x mPCIe slot(for Wi-Fi module)<br>1 x LED Indicator for power<br>1 x LED Indicator for storage |
| <b>Brightness Knob</b> | 1 x Brightness Adjustment Knob                         | <b>mini PCIe</b> | 1 x Mini PCIE(For WLAN)  |
| <b>Control</b>         |  |                  |  |
| <b>Button</b>          | 1 x Power Button<br>1 x Reset Button                   |                  |  |
| <b>Accessory</b>       |  |                  |  |
| <b>Accessory</b>       | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws |                  |  |
| <b>Power</b>           |  |                  |  |
| <b>Power Rating</b>    | 12V DC   | <b>Adapter</b>   | 12V 50W  |

**DIMENSIONS** UNIT:MM



**NOTE**

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.