

# R12IE3S-OFM2

## 12.1" Intel® Celeron® N6211 Open Frame Panel PC



### KEY FEATURES

- 12.1" TFT LCD
- Intel® Celeron® Elkhart Lake N6211 Processor
- 1 x SO-DIMM, max. 16GB DDR4
- 2 x Gigabit Ethernet
- Supports 2 x SATA III, 4 x COM, 2 x USB 3.2 Gen 2x1, 4 x USB 2.0



### OVERVIEW



#### Resistive Touch/ Optional Protective Glass

For the convenience of the operators in the industrial environment, the Panel PC offers flexible surface options such as cover glass (when touch is not required) and a resistive touch screen to meet different specifications.



#### Low Power Consumption

This Panel PC is designed for low power consumption and effective heat dissipation, making it durable for long-term usage in production facilities. It is the ultimate energy-efficient solution.



#### Rear and VESA mounting

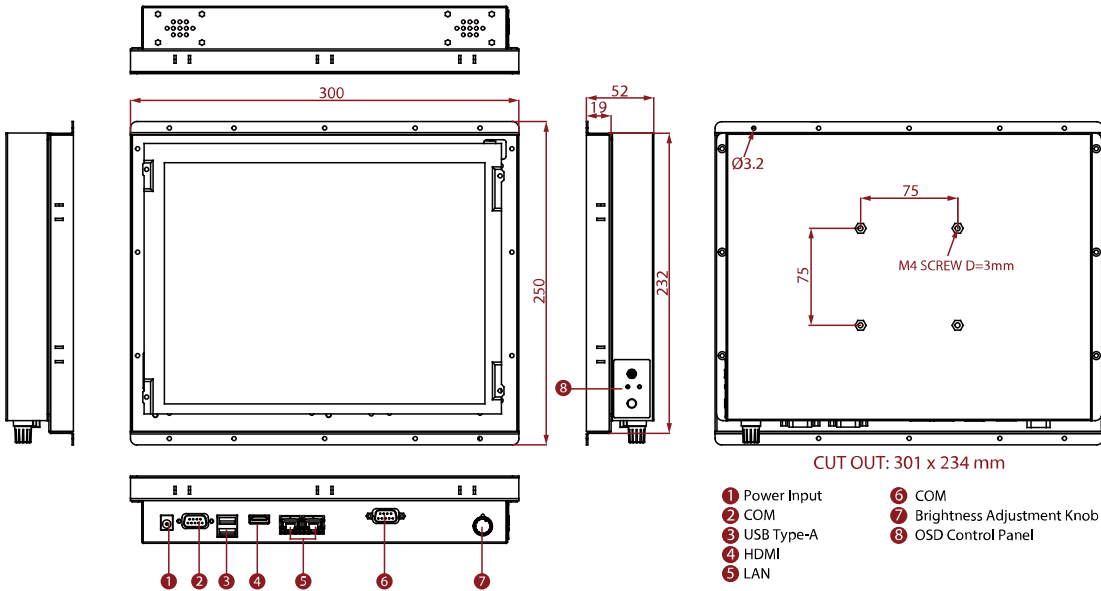
Several mounting solutions such as rear and VESA mounting that users can choose the most suitable mounting options for their application.

### 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 |   |                     |   |
| WLAN                 | Support (Optional)  | BT                  | Support (Optional)  |
| Processor            | Intel® Celeron® N6211 ( up to 3.0GHz)   | Memory              | 1 x SO-DIMM, DDR4 3200 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)  |
| Storage              | 1 x M.2 2242 B-key SSD 128GB<br>256GB (Optional)<br>512GB<br>1 x SATA III for 2.5" SSD/HDD up to 1TB (Optional) | Ethernet controller | 2 x Intel® Ethernet Controller  |
| Security             | TPM 2.0   | Operating System    | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 22.04 (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              | 2 x USB3.2 Gen2x1 (Type-A)   |
| Serial Port         | 1 x RS232/422/485 (Default RS232)<br>1 x RS232         | Video                 | 1 x HDMI 2.0 (Optional)  |
| Audio               | 2 x Speaker  | Expansion Port        | 1 x M.2 2242 B-Key Slot (for SATA III SSD)<br>1 x M.2 2230 E-Key Slot (for Wi-Fi module) |
| LAN                 | 2 x 2.5 Giga LAN RJ45 Connector                        | Indicator             | 1 x LED Indicator for power<br>1 x LED Indicator for storage                             |
| Brightness Knob     | 1 x Brightness Adjustment Knob                         |                       |  |
| Control             |  |                       |  |
| Button              | 1 x Power Button<br>1 x Reset Button                   |                       |  |
| Accessory           |  |                       |  |
| Accessory           | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws |                       |  |
| Power               |  |                       |  |
| Power Rating        | 12V DC   | Adapter               | 12V 50W  |

DIMENSIONS UNIT:MM



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.