

# W24IB7T-IPA2

## 23.8" Intel® Celeron® N2930 Front IP65 Panel PC



### KEY FEATURES

- 23.8" TFT SXGA LCD
- Intel® Celeron® Bay Trail-M N2930 1.83 GHz Processor
- SO-DIMM DDR3L 1600, max. 8 GB
- Integrated VGA, 24 bit Dual-channel LVDS, DVI
- Integrated Dual Broadcom I210AT GbE Controller
- 1 x SATA II, 3 x COM, 3 x USB 2.0, 1 x USB 3.0, 2 x Mini PCIe slot

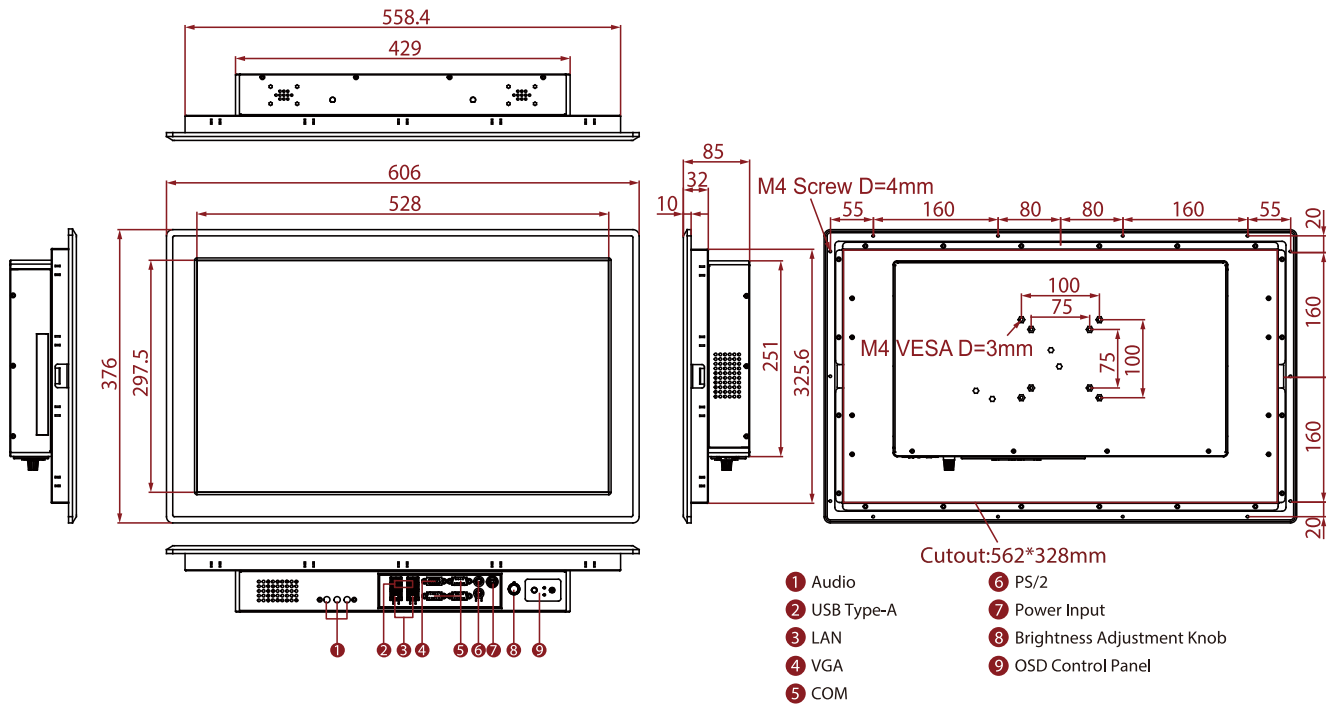


### SPECIFICATIONS

| Display                      |  |
|------------------------------|--|
| <b>Resolution</b>            | 1920x1080  |
| <b>Contrast Ratio</b>        | 3000:1   |
| <b>View Angles</b>           | 89,89,89,89  |
| <b>Touch / Glass</b>         | Resistive Touch Screen<br>Protection Glass w/o Touch Function (Optional)                                       |
| <b>Size</b>                  | 23.8 inches  |
| <b>Panel Brightness</b>      | 250 nits   |
| <b>Active Area</b>           | 527.04x296.46 mm   |
| System Specification         |  |
| <b>Processor</b>             | Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)   |
| <b>Storage</b>               | 1 x mSATA SSD 64GB<br>mSATA SSD up to 512GB (Optional)<br>1 x SATA II for 2.5" HDD (Optional)                  |
| <b>Operating System</b>      | Windows 7 Embedded Systems (Optional)<br>Windows 10 IoT Enterprise (Optional)<br>Linux Ubuntu 18.04 (Optional) |
| <b>Memory</b>                | 2 x SO-DIMM, DDR3L 1600 MHz, 4GB<br>8GB (Optional)   |
| <b>BT</b>                    | Support (Optional)   |
| <b>Ethernet controller</b>   | 2 x Intel® Ethernet Controller I210-AT   |
| <b>WLAN</b>                  | Support (Optional)   |
| Mechanical                   |  |
| <b>Dimension</b>             | 606 x 376 x 85 mm  |
| <b>Enclosure</b>             | Metal Housing  |
| <b>Cut out</b>               | 560.5x328mm  |
| <b>Mounting</b>              | Panel mount<br>VESA Mount  |
| <b>Cooling System</b>        | Fanless design   |
| Environment                  |  |
| <b>Operating Humidity</b>    | 10% to 90% (non-condensing)  |
| <b>Storage Temperature</b>   | -20~60°C   |
| <b>Operating Temperature</b> | 0~50°C   |
| <b>IP rating</b>             | Front IP65   |
| Certification                |  |
| <b>Certification</b>         | CE, FCC  |
| IO Ports                     |  |
| <b>Power Input</b>           | 1 x 12V DC, Din4 pin connector   |
| <b>Serial Port</b>           | 1 x RS232/422/485 (Default RS232)<br>2 x RS232   |
| <b>USB Port</b>              | 1 x USB3.0 (Type-A)<br>3 x USB2.0 (Type-A)   |
| <b>Video</b>                 | 1 x VGA  |

|                        |  |                       |  |
|------------------------|--|-----------------------|--|
|                        | 1 x RS232 (Optional)   |                       |  |
| <b>Audio</b>           | Mic in<br>Line in<br>Line out  | <b>Expansion Port</b> | 2 x mPCIe slot   |
| <b>LAN</b>             | 2 x Giga LAN RJ45 Connector  | <b>Indicator</b>      | 1 x LED Indicator for power<br>1 x LED Indicator for storage |
| <b>Brightness Knob</b> | 1 x Brightness Adjustment Knob   | <b>PS/2</b>           | 2 x PS/2   |
| <b>mini PCIe</b>       | 3 x Mini PCIe  |                       |  |
| <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<br>Manual<br>Mounting clips |                       |  |
| <b>Power</b>           |  |                       |  |
| <b>Power Rating</b>    | 12V DC   | <b>Adapter</b>        | 12V 84W  |

## 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.