# W22IB7T-PPA3
## 21.5" PP Series HMI Panel PC

## KEY FEATURES

- 21.5", 1920 x 1080, 250 nits
- Aluminum housing and fanless design
- Fanless cooling system and ultra-low power power consumption
- Front IP65 water and dust proof
- Intel® Celeron® Bay Trail-M N2930, 1.83 GHz
- Projected capacitive multi-touch screen
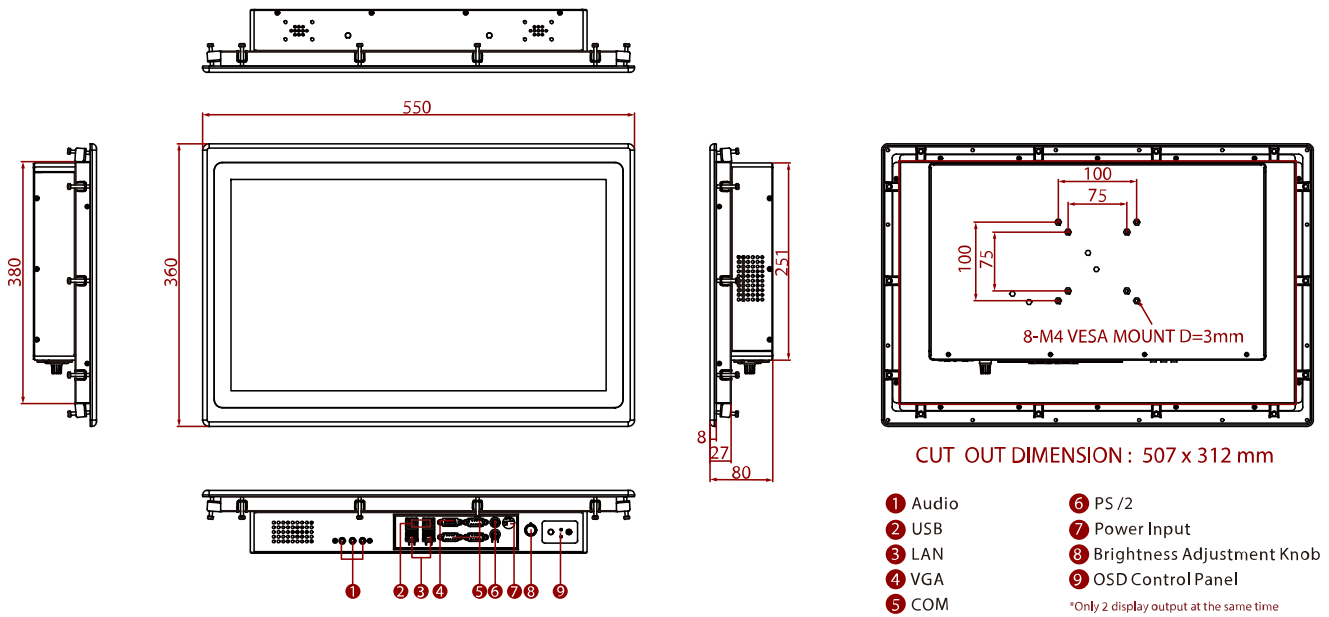- Room booking schedule, access control, room information display

CE FC

## SPECIFICATIONS

### Display

| | | | |
|---|---|---|---|
| **Resolution** | 1920x1080 | **Size** | 21.5 inches |
| **Contrast Ratio** | 3000:1 | **Panel Brightness** | 250 nits |
| **View Angles** | 89,89,89,89 | **Type** | Projected Capacitive Multi Touch Screen |

### System Specification

| | | | |
|---|---|---|---|
| **Processor** | Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz) | **Memory** | 2 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB(Optional) |
| **Storage** | Default 1 x mSATA SSD 64GB<br>1 x SATA II for optional 2.5" HDD | **Expansion** | 4G/LTE(Optional ) |
| **Ethernet controller** | 2 x Intel® Ethernet Controller I210-AT | **Security** | TPM 1.2 |
| **Operating System** | Windows 7 Embedded Systems(Optional)<br>Windows 10 IoT Enterprise(Optional)<br>Linux Ubuntu 18.04(Optional) | **WLAN** | 802.11 a/b/g/n/ac(Optional) |
| **BT** | BT Support(Optional) | | |

### Mechanical

| | | | |
|---|---|---|---|
| **Dimension** | 550 x 360 x 80 mm | **Mounting** | Panel mount<br>VESA Mount |
| **Enclosure** | Metal Housing | **Cooling System** | Fanless design |
| **Cut out** | 507x312mm | | |

### Environment

| | | | |
|---|---|---|---|
| **Operating Humidity** | 10% to 90% (non-condensing) | **Operating Temperature** | 0~50°C |
| **Storage Temperature** | -20~60°C | **IP rating** | Front IP65 |

### Certification

| | |
|---|---|
| **Certification** | CE, FCC |

### IO Ports

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|---|---|---|---|
| **USB Port** | 1 x USB3.0 (Type-A)<br>3 x USB2.0 (Type-A) | **Serial Port** | 1 x RS232/422/485 (Default RS232)<br>2 x RS232<br>1 x RS232(Optional) |
| **Video** | 1 x VGA | **Audio** | Mic in<br>Line in<br>Line out |
| **Expansion Port** | 2 x mPCIe slot | **LAN** | 2 x 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 |
| **PS/2** | 2 x PS/2 | **mini PCIe** | 3 x Mini PCIE |

**Control**

| | |
|---|---|
| **Button** | 1 x Power Button<br>1 x Reset Button |

**Accessory**

| | |
|---|---|
| **Accessory** | 100~240V AC to DC Adapter<br>Power Cord<br>Driver CD & Manual<br>VESA screws<br>Mounting clips |

**Power**

| | | | |
|---|---|---|---|
| **Power Rating** | 12V DC | **Adapter** | 12V 84W |

## DIMENSIONS UNIT:MM



CUT OUT DIMENSION : 507 x 312 mm

1 Audio     6 PS /2
2 USB     7 Power Input
3 LAN     8 Brightness Adjustment Knob
4 VGA     9 OSD Control Panel
5 COM     *Only 2 display output at the same time

## 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.