

# W15IP7T-PMA2

15.6 " Intel® Pentium® N4200 Panel Mount Panel PC



## KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake Processor 1.10 GHz
- Flexible storage devices, one 2.5-inch HDD and one SSD socket
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.0 Ports
- 12 V DC Power input
- DP Support 4096 x 2160 @ 60 Hz
- HDMI Support 3840 x 2160 @ 30 Hz

## INTRODUCTION

Winmate Panel Mount Panel PC Series delivers robust computing performance and versatility for industrial applications. Available in sizes from 6" to 24", these wide, rectangular PCs support multiple operating systems and offer high-resolution displays. Featuring extensive I/O options, dual Ethernet, and flexible storage configurations, they ensure seamless integration into industrial and commercial systems. Built for reliability and efficiency, they are ideal for factory automation, control systems, and interactive kiosks, combining power and adaptability in a compact design.

## SPECIFICATIONS

### Display

|                       |                                                                                         |                         |                    |
|-----------------------|-----------------------------------------------------------------------------------------|-------------------------|--------------------|
| <b>Resolution</b>     | 1366x768                                                                                | <b>Size</b>             | 15.6 inches        |
| <b>Contrast Ratio</b> | 500:1                                                                                   | <b>Panel Brightness</b> | 400.0 nits         |
| <b>View Angles</b>    | 85,85,80,80                                                                             | <b>Active Area</b>      | 344.232x195.536 mm |
| <b>Touch / Glass</b>  | Resistive Touch Screen (Optional)<br>Protection Glass Without Touch Function (Optional) |                         |                    |

### System Specification

|                  |                                                                                                                                              |                            |                                                                                |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------------------------------------------------------------------|
| <b>Processor</b> | Intel Pentium N4200 1.1GHz (up to 2.5GHz)                                                                                                    | <b>Memory</b>              | Dual-channel (non-ECC) SO-DIMM RAM.Up to 16GB                                  |
| <b>Storage</b>   | 128GB SSD(Default) (Default)<br>256GB SSD (Optional)<br>512GB SSD (Optional)<br>1TB<br>2 x SATA III for 2.5" SSD/HDD(Supprt RAID) (Optional) | <b>Ethernet controller</b> | 2 x Intel® Ethernet Controller                                                 |
| <b>Security</b>  | TPM 2.0                                                                                                                                      | <b>Operating System</b>    | Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 20.04 (Optional) |
| <b>WLAN</b>      | Support (Optional)                                                                                                                           | <b>BT</b>                  | Support (Optional)                                                             |

### Mechanical

|                       |                                                |                  |               |
|-----------------------|------------------------------------------------|------------------|---------------|
| <b>Dimension</b>      | 400 x 280 x 75.5 mm                            | <b>Weight</b>    | 3.9 kg        |
| <b>Mounting</b>       | Panel mount (Default)<br>VESA mount (Optional) | <b>Enclosure</b> | Metal Housing |
| <b>Cooling System</b> | Fanless Design                                 | <b>Cut out</b>   | 370 x 235 mm  |

### Environment

|                           |                               |                              |             |
|---------------------------|-------------------------------|------------------------------|-------------|
| <b>Operating Humidity</b> | 10% to 90% RH, Non-Condensing | <b>Operating Temperature</b> | 0°C to 50°C |
|---------------------------|-------------------------------|------------------------------|-------------|

Storage Temperature -10°C to 60°C

## Certification

Certification CE, FCC

## IO Ports

|                        |                                                |                       |                                                                                                                    |
|------------------------|------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Power Input</b>     | 1 x 12V DC, Din4 pin connector                 | <b>USB Port</b>       | 4 x USB3.2 Gen1x1 (Type-A)                                                                                         |
| <b>Serial Port</b>     | 1 x RS232/422/485 (Default RS232)<br>1 x RS232 | <b>Video</b>          | 1 x DP1.2 (Default)<br>1 x HDMI 1.4 (Optional)<br>1 x VGA (Optional)                                               |
| <b>Audio</b>           | 1 x Mic in<br>1 x Line out<br>2 x Speaker      | <b>Expansion Port</b> | 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)<br>1 x PCIe 2.0 (x1) 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                 |                       |                                                                                                                    |

## Control

Button 1 x Power Button  
1 x Reset Button

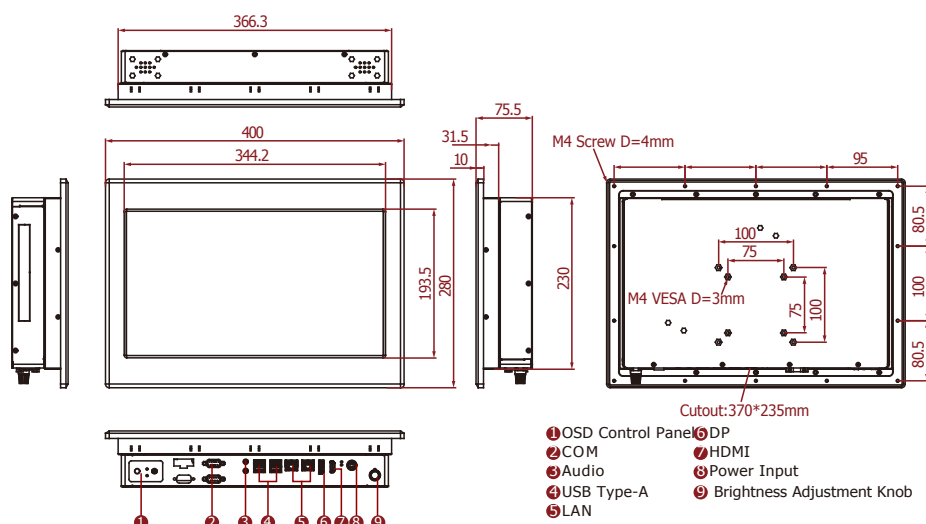
## Accessory

Accessory 100~240V AC to DC Adapter  
Power Cord  
VESA screws  
Mounting clips

## 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.