



# W22IP7T-POA3 21.5" Intel(R) Pentium(R) N4200 PO Series HMI Panel PC

Manufacturer part number: W22IP7T-POA3 | HMI (P-CAP Touch)



Explore Winmate W22IP7T-POA3, an HMI panel PC featuring Intel(R) Pentium(R) N4200, 21.5-inch display with 1920x1080 resolution...

| Display               |                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Size                  | 21.5 inches                                                                                                                |
| Touch / Glass         | Projected Capacitive Multi Touch Screen                                                                                    |
| Resolution            | 1920x1080                                                                                                                  |
| Panel Brightness      | 250.0 nits                                                                                                                 |
| Contrast Ratio        | 3000:1                                                                                                                     |
| View Angles           | 89,89,89,89                                                                                                                |
| Active Area           | 476.64x268.11 mm                                                                                                           |
| System Specification  |                                                                                                                            |
| Processor             | Intel Pentium N4200 1.1GHz (up to 2.5GHz)                                                                                  |
| Memory                | Dual-channel (non-ECC) SO-DIMM RAM.Up to 16GB                                                                              |
| Storage               | 128GB SSD(Default), 256GB SSD (Optional), 512GB SSD (Optional), 1TB, 2 x SATA III for 2.5" SSD/HDD(Supprt RAID) (Optional) |
| Ethernet controller   | 2 x Intel(R) Ethernet Controller                                                                                           |
| Security              | TPM 2.0                                                                                                                    |
| Operating System      | Windows 10 IoT Enterprise (64 bit) (Optional), Linux Ubuntu 20.04 (Optional)                                               |
| WLAN                  | Support (Optional)                                                                                                         |
| BT                    | Support (Optional)                                                                                                         |
| Mechanical            |                                                                                                                            |
| Dimension             | 526 x 338 x 69 mm                                                                                                          |
| Weight                | 5.5 kg                                                                                                                     |
| Mounting              | Open frame (Default), Panel mount (Optional), VESA mount (Optional)                                                        |
| Enclosure             | Metal Housing                                                                                                              |
| Cooling System        | Fanless Design                                                                                                             |
| Environment           |                                                                                                                            |
| Operating Humidity    | 10% to 90% RH, Non-Condensing                                                                                              |
| Operating Temperature | 0 deg C to 50 deg C                                                                                                        |
| Storage Temperature   | -10 deg C to 60 deg C                                                                                                      |
| IP rating             | Front IP65                                                                                                                 |

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Certification</b> |                                                                                                                |
| Certification        | CE, FCC                                                                                                        |
| <b>IO Ports</b>      |                                                                                                                |
| USB Port             | 4 x USB3.2 Gen1x1 (Type-A)                                                                                     |
| Serial Port          | 1 x RS232/422/485 (Default RS232), 1 x RS232                                                                   |
| LAN                  | 2 x Giga LAN RJ45 Connector                                                                                    |
| Video                | 1 x DP1.2 (Default), 1 x HDMI 1.4 (Optional), 1 x VGA (Optional)                                               |
| Audio                | 1 x Mic in, 1 x Line out, 2 x Speaker                                                                          |
| Expansion Port       | 1 x M.2 2242 B-key Slot (for SATA III SSD), 1 x M.2 2230 E-Key Slot (for Wi-Fi module), 1 x PCIe 2.0 (x1) slot |
| Indicator            | 1 x LED Indicator for power, 1 x LED Indicator for storage                                                     |
| Brightness Knob      | 1 x Brightness Adjustment Knob                                                                                 |
| Power Input          | 1 x 12V DC, Din4 pin connector                                                                                 |
| <b>Control</b>       |                                                                                                                |
| Button               | 1 x Power Button, 1 x Reset Button                                                                             |
| <b>Accessory</b>     |                                                                                                                |
| Accessory            | 100~240V AC to DC Adapter, Power Cord, VESA screws                                                             |
| <b>Power</b>         |                                                                                                                |
| Power Rating         | 12V DC                                                                                                         |
| Adapter              | 12V 84W                                                                                                        |