

# R12IP7T-IPM2WT 12.1" Intel(R) Pentium(R) N4200 Front IP65 Wide Temperature Panel PC

Manufacturer part number: R12IP7T-IPM2WT | Industrial Panel PCs (Resistive Touch)



Explore Winmate R12IP7T-IPM2WT, an industrial panel PC featuring Intel(R) Pentium(R) N4200, 12.1-inch display with 4096x2160 resolution...

| Display              |                                                                                                                            |
|----------------------|----------------------------------------------------------------------------------------------------------------------------|
| Size                 | 12.1 inches                                                                                                                |
| Touch / Glass        | Resistive Touch Screen (Optional), Protection Glass Without Touch Function (Optional)                                      |
| Resolution           | 1024x768                                                                                                                   |
| Panel Brightness     | 500.0 nits                                                                                                                 |
| Contrast Ratio       | 1000:1                                                                                                                     |
| View Angles          | 89,89,89,89                                                                                                                |
| Active Area          | 245.76x184.32 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 RAIO) (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            | 324 x 274 x 79 mm                                                                                                          |
| Cut out              | 302 x 234 mm                                                                                                               |
| Weight               | 2.6 kg                                                                                                                     |
| Mounting             | Open frame (Default), Panel mount (Optional), VESA mount (Optional)                                                        |
| Enclosure            | Metal Housing                                                                                                              |
| Cooling System       | Fanless Design                                                                                                             |
| Environment          |                                                                                                                            |
| Operating Humidity   | 30% to 90% RH, Non-Condensing                                                                                              |

|                              |                                                                                                                |
|------------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | -20 deg C to 60 deg C                                                                                          |
| <b>Storage Temperature</b>   | -30 deg C to 70 deg C                                                                                          |
| <b>IP rating</b>             | Front IP65                                                                                                     |
| <b>Certification</b>         |                                                                                                                |
| <b>Certification</b>         | CE, FCC                                                                                                        |
| <b>IO Ports</b>              |                                                                                                                |
| <b>USB Port</b>              | 4 x USB3.2 Gen1x1 (Type-A)                                                                                     |
| <b>Serial Port</b>           | 1 x RS232/422/485 (Default RS232), 1 x RS232                                                                   |
| <b>LAN</b>                   | 2 x Giga LAN RJ45 Connector                                                                                    |
| <b>Video</b>                 | 1 x DP1.2 (Default), 1 x HDMI 1.4 (Optional), 1 x VGA (Optional)                                               |
| <b>Audio</b>                 | 1 x Mic in, 1 x Line out, 2 x Speaker                                                                          |
| <b>Expansion Port</b>        | 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 |
| <b>Indicator</b>             | 1 x LED Indicator for power, 1 x LED Indicator for storage                                                     |
| <b>Brightness Knob</b>       | 1 x Brightness Adjustment Knob                                                                                 |
| <b>Power Input</b>           | 1 x 12V DC, Din4 pin connector                                                                                 |
| <b>Control</b>               |                                                                                                                |
| <b>Button</b>                | 1 x Power Button, 1 x Reset Button                                                                             |
| <b>Accessory</b>             |                                                                                                                |
| <b>Accessory</b>             | 100~240V AC to DC Adapter, Power Cord, VESA screws, Mounting clips                                             |
| <b>Power</b>                 |                                                                                                                |
| <b>Power Rating</b>          | 12V DC                                                                                                         |
| <b>Adapter</b>               | 12V 50W                                                                                                        |