



# R12IAN3S-IPM2 12.1" Intel(R) Twin Lake N150 Front IP65 Panel PC

Manufacturer part number: R12IAN3S-IPM2 | Industrial Panel PCs (Resistive Touch)



Explore Winmate R12IAN3S-IPM2, an industrial panel PC featuring 12.1-inch display, IP65 for machine control and factory automation.

| 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(R) Processor N150 6M Cache, up to 3.60 GHz                                                                                                                                                 |
| Memory                | 8GB (Default), 16GB (Optional)                                                                                                                                                                   |
| Storage               | 128GB SSD (Default), 256GB SSD (Optional), 512GB SSD (Optional), 1TB (Optional), 2TB (Optional), 1 x SATA III for 2.5" SSD/HDD up to 2TB(Only available when NVME SSD is not present) (Optional) |
| Ethernet controller   | 2 x Intel(R) 2.5 Gigabit Ethernet Controller                                                                                                                                                     |
| Security              | TPM 2.0                                                                                                                                                                                          |
| Operating System      | Windows 11 IoT Enterprise (64 bit) (Optional), Windows 11 Pro 64 bit (Optional), Linux Ubuntu 24.04(Do not support Wake on Touch) (Optional)                                                     |
| Mechanical            |                                                                                                                                                                                                  |
| Dimension             | 324 x 274 x 57 mm                                                                                                                                                                                |
| Cut out               | 303 x 234.5 mm                                                                                                                                                                                   |
| Weight                | 2.6 kg                                                                                                                                                                                           |
| Mounting              | Panel mount (Default), 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             | 2 x USB3.2 Gen1x1 (Type-A), 1 x USB 3.2 Gen 2x1 Type C connector,support DP Alt. mode |
| Serial Port          | 1 x RS232/422/485 (Default RS232), 1 x RS232                                          |
| LAN                  | 2 x 2.5 Giga LAN RJ45 Connector                                                       |
| Video                | 1 x HDMI 2.0b (Optional)                                                              |
| Audio                | 2 x Speaker                                                                           |
| Expansion Port       | 1 x M.2 2230 E-Key Slot (for Wi-Fi module)                                            |
| 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, 2.5? DC jack                                                              |
| <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, Mounting clips                    |
| <b>Power</b>         |                                                                                       |
| Power Rating         | 12V DC                                                                                |
| Adapter              | 12V 50W                                                                               |