

# R19IAD7T-IPA1 19" Intel(R) Core(TM) i9/i7/i5/i3 (Alder Lake S) Front IP65 Panel PC

Manufacturer part number: R19IAD7T-IPA1 | Industrial Panel PCs (Resistive Touch)



Explore Winmate R19IAD7T-IPA1, an industrial panel PC featuring Intel(R) Core(TM) i9/i7/i5/i3, 19-inch display with 1280x1024 resolution...

| Display              |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                 | 19.0 inches                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Touch / Glass        | Resistive Touch Screen (Optional), Protection Glass Without Touch Function (Optional)                                                                                                                                                                                                                                                                                                                                                               |
| Resolution           | 1280x1024                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Panel Brightness     | 400.0 nits                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Contrast Ratio       | 1000:1                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| View Angles          | 85,85,80,80                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Active Area          | 376.32x301.06 mm                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| System Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Processor            | Intel(R) Core(TM) i3-12100TE(up to 4.00GHz) (Default), Intel(R) Core(TM) i5-12500TE(up to 4.3GHz) (Optional), Intel(R) Core(TM) i7-12700TE(up to 4.6GHz) (Optional), Intel(R) Core(TM) i9-12900TE(up to 4.80GHz) (Optional), Intel(R) Core(TM) i3-14100T(up to 4.4GHz) (Optional), Intel(R) Core(TM) i5-14500T(up to 4.8GHz) (Optional), Intel(R) Core(TM) i7-14700T(up to 5.2GHz) (Optional), Intel(R) Core(TM) i9-14900T(up to 5.5GHz) (Optional) |
| Chipset              | Intel(R) R680E                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Memory               | 2 x non-ECC SO-DIMM RAM, up to 64GB (32GB per DIMM)                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage              | 128GB SSD(Default), 256GB SSD (Optional), 512GB SSD (Optional), 1TB (Optional), 2TB (Optional), 4TB, 2 x SATA III for 2.5" SSD/HDD up to 2TB(RAID Support) (Optional)                                                                                                                                                                                                                                                                               |
| Ethernet controller  | 2 x Intel(R) Ethernet Controller                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Security             | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating System     | Windows 11 IoT Enterprise (64 bit) (Optional), Windows 11 Pro 64 bit (Optional), Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)                                                                                                                                                                                                                                                                                                        |
| WLAN                 | Support (Optional)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| BT                   | Support (Optional)                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Mechanical           |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimension            | 474 x 384 x 87 mm                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cut out              | 431 x 341 mm                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Weight               | 6.9 kg                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Mounting             | Panel mount (Default), VESA mount (Optional)                                                                                                                                                                                                                                                                                                                                                                                                        |
| Enclosure            | Metal Housing                                                                                                                                                                                                                                                                                                                                                                                                                                       |

|                       |                                                                                                                                   |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Cooling System        | Fan Design                                                                                                                        |
| <b>Environment</b>    |                                                                                                                                   |
| 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 USB 3.2 Gen2x1 (10Gbps, TypeA)                                                                                                |
| Serial Port           | 1 x RS232/422/485 (Default RS232), 1 x RS232                                                                                      |
| LAN                   | 2 x 2.5 Giga LAN RJ45 Connector                                                                                                   |
| Video                 | 1 x DP1.4a DP++ , Max resolution up to, 4096x2160@60Hz (Default), 1 x HDMI 2.0b , Max resolution up to, 4096x2160@60Hz (Optional) |
| Audio                 | Mic in, Line out                                                                                                                  |
| Expansion Port        | 1 x M.2 2280 M-Key Slot (for NVME SSD), 1 x M.2 2230 E-Key Slot (for Wi-Fi module)                                                |
| 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, Mounting clips                                                                |
| <b>Power</b>          |                                                                                                                                   |
| Power Rating          | 12V DC                                                                                                                            |
| Adapter               | 12V 220W                                                                                                                          |