



# W18IF7T-CHA2 18.5" Intel(R) Core(TM) i3/i5/i7 (Coffee Lake Refresh) Chassis Panel PC

Manufacturer part number: W18IF7T-CHA2 | Industrial Panel PCs (Resistive Touch)



Explore Winmate W18IF7T-CHA2, an industrial panel PC featuring Intel(R) Core(TM) i3/i5/i7, 18.5-inch display with 1366x768 resolution...

| Display              |                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                 | 18.5 inches                                                                                                                                                        |
| Touch / Glass        | Resistive Touch Screen (Optional), Protection Glass Without Touch Function (Optional)                                                                              |
| Resolution           | 1366x768                                                                                                                                                           |
| Panel Brightness     | 450.0 nits                                                                                                                                                         |
| Contrast Ratio       | 1000:1                                                                                                                                                             |
| View Angles          | 85,85,80,80                                                                                                                                                        |
| Active Area          | 409.8X230.4 mm                                                                                                                                                     |
| System Specification |                                                                                                                                                                    |
| Processor            | Intel Core i7-9700TE 1.8GHz (up to 3.8GHz) (Default), Intel Core i5-9500TE 2.2GHz (up to 3.6GHz) (Optional), Intel Core i3-9100TE 2.2GHz (up to 3.2GHz) (Optional) |
| Chipset              | Intel(R) Q370                                                                                                                                                      |
| 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, 2 x SATA III for 2.5" SSD/HDD support RAID 0,1 (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            | 470 x 293 x 70 mm                                                                                                                                                  |
| Weight               | 6.6 kg                                                                                                                                                             |
| Mounting             | VESA mount                                                                                                                                                         |
| Enclosure            | Metal Housing                                                                                                                                                      |
| Cooling System       | Fan Design                                                                                                                                                         |
| Environment          |                                                                                                                                                                    |
| Operating Humidity   | 10% to 90% RH, Non-Condensing                                                                                                                                      |

|                              |                                                                                                                                  |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | 0 deg C to 50 deg C                                                                                                              |
| <b>Storage Temperature</b>   | -10 deg C to 60 deg C                                                                                                            |
| <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)                                                                                     |
| <b>Audio</b>                 | 1 x Mic in, 1 x Line out, 2 x Speaker                                                                                            |
| <b>Expansion Port</b>        | 1 x M.2 2280/2242 M-Key Slot (for NVME SSD or SATA III SSD), 1 x M.2 2230 E-Key Slot (for Wi-Fi module), 1 x PCIe 3.0 (x16) 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                                                                               |
| <b>Power</b>                 |                                                                                                                                  |
| <b>Power Rating</b>          | 12V DC (Lockable Power Jack)                                                                                                     |
| <b>Adapter</b>               | 12V 120W                                                                                                                         |