

# R17IF7T-POM1

## 17" Intel® Core™ i3/i5/i7 PO Series HMI Panel PC



### KEY FEATURES

- 17" 1280 x 1024, 350 nits
- Intel® 9th Gen. Core™ i3/i5/i7 Processor (Coffee Lake Refresh)
- Flexible storage devices, one 2.5-inch HDD and one SSD
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 1 Ports
- 12V DC Power input
- DP Support 4096 x 2304 @ 60 Hz
- HDMI Support 4096 x 2304 @ 24 Hz

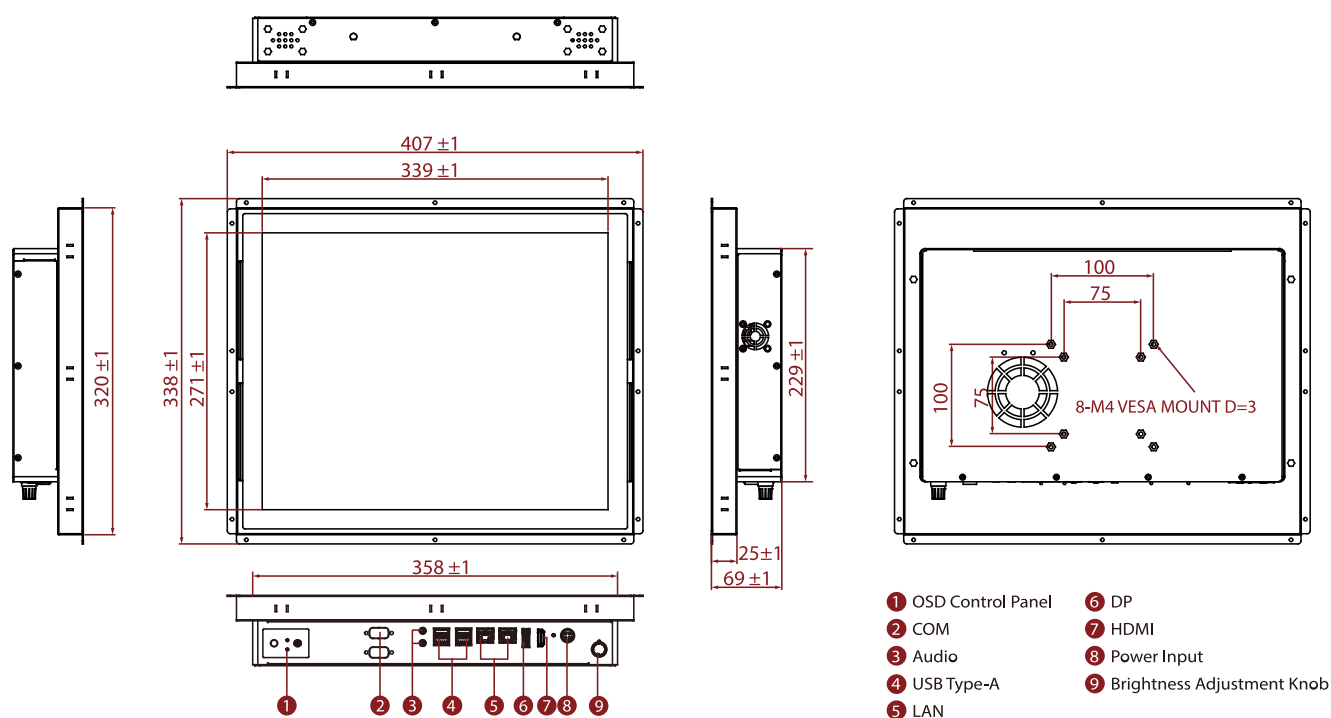


### SPECIFICATIONS

| Display              |                                                                                                                                                                                                                  |                       |                                                                                                                                                                        |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution           | 1280x1024                                                                                                                                                                                                        | Size                  | 17.0 inches                                                                                                                                                            |
| Contrast Ratio       | 1000:1                                                                                                                                                                                                           | Panel Brightness      | 350.0 nits                                                                                                                                                             |
| View Angles          | 85,85,80,80                                                                                                                                                                                                      | Active Area           | 337.920x270.336 mm                                                                                                                                                     |
| Touch / Glass        | Projected Capacitive Multi Touch Screen                                                                                                                                                                          |                       |                                                                                                                                                                        |
| System Specification |                                                                                                                                                                                                                  |                       |                                                                                                                                                                        |
| Processor            | Intel Core i7-9700TE 1.8GHz (up to 3.8GHz)<br>Intel Core i5-9500TE 2.2GHz (up to 3.6GHz) (Optional)<br>Intel Core i3-9100TE 2.2GHz (up to 3.2GHz) (Optional)                                                     | Chipset               | Intel® B360(No vPRO)<br>Intel® Q370(Support vPRO and NVMe) (Optional)                                                                                                  |
| Memory               | 1 x SO-DIMM, DDR4 2400 MHz, 4GB<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional)<br>2 x SO-DIMM, DDR4 2400 MHz, 4GB (Optional)<br>8GB (Optional)<br>16GB (Optional)<br>32GB (Optional)<br>64GB (Optional) | Storage               | 1 x M.2 2242 B-key SSD 128GB<br>M.2 2242 B-key SSD up to 512GB (Optional)<br>M.2 2280 M-Key NVME SSD, up to 4TB (Optional)<br>2 x SATA III support RAID 0,1 (Optional) |
| Ethernet controller  | 2 x Intel® Ethernet Controller                                                                                                                                                                                   | Security              | TPM 2.0                                                                                                                                                                |
| Operating System     | Windows 10 IoT Enterprise (64 bit) (Optional)<br>Linux Ubuntu 20.04 (Optional)                                                                                                                                   | WLAN                  | Support (Optional)                                                                                                                                                     |
| BT                   | Support (Optional)                                                                                                                                                                                               |                       |                                                                                                                                                                        |
| Mechanical           |                                                                                                                                                                                                                  |                       |                                                                                                                                                                        |
| Dimension            | 407 x 338 x 69 mm                                                                                                                                                                                                | Weight                | 4.5 kg                                                                                                                                                                 |
| Mounting             | Open Frame<br>Panel Mount<br>VESA Mount                                                                                                                                                                          | Enclosure             | Metal Housing                                                                                                                                                          |
| Cooling System       | Fan design                                                                                                                                                                                                       |                       |                                                                                                                                                                        |
| Environment          |                                                                                                                                                                                                                  |                       |                                                                                                                                                                        |
| Operating Humidity   | 10% to 90% RH, Non-Condensing                                                                                                                                                                                    | Operating Temperature | 0°C to 50°C                                                                                                                                                            |
| Storage Temperature  | -10°C to 60°C                                                                                                                                                                                                    |                       |                                                                                                                                                                        |
| Certification        |                                                                                                                                                                                                                  |                       |                                                                                                                                                                        |

|                 |                                                        |                |                                                                |
|-----------------|--------------------------------------------------------|----------------|----------------------------------------------------------------|
| Certification   | CE, FCC                                                |                |                                                                |
| IO Ports        |                                                        |                |                                                                |
| Power Input     | 1 x 12V DC, Din4 pin connector                         | USB Port       | 4 x USB3.2 Gen1x1 (Type-A)                                     |
| Serial Port     | 1 x RS232/422/485 (Default RS232)<br>1 x RS232         | Video          | 1 x DP1.2<br>1 x HDMI 1.4 (Optional)                           |
| Audio           | 1 x Mic in<br>1 x Line out<br>2 x Speaker              | Expansion Port | 2 x M.2 slot(1 for WiFi, 1 for SSD)<br>1 x PCIe x16 (Optional) |
| LAN             | 2 x Giga LAN RJ45 Connector                            | Indicator      | 1 x LED Indicator for power<br>1 x LED Indicator for storage   |
| Brightness Knob | 1 x Brightness Adjustment Knob                         |                |                                                                |
| Control         |                                                        |                |                                                                |
| Button          | 1 x Power Button<br>1 x Reset Button                   |                |                                                                |
| Accessory       |                                                        |                |                                                                |
| Accessory       | 100~240V AC to DC Adapter<br>Power Cord<br>VESA screws |                |                                                                |
| Power           |                                                        |                |                                                                |
| Power Rating    | 12V DC (Lockable Power Jack)                           | Adapter        | 12V 120W                                                       |

## DIMENSIONS UNIT:MM



## NOTE

- Measurements are shown in mm.
- Tolerance of all dimensions is shown as follow 0~30 mm ± 0.1 mm, 30~50 mm ± 0.15 mm, 50~120 mm ± 0.2 mm, above 120 mm ± 0.25 mm.
- This is a simplified drawing and some components are not marked in detail.
- The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.