

# R12IT3S-OFM2

12.1" Intel® Core™ i5-1135G7 Open Frame Panel PC



## KEY FEATURES

- 12.1" TFT XGA LCD
- Intel® Core™ i5-1135G7 2.4 GHz (turbo to 4.2GHz) Processor
- Fanless cooling system and ultra-low power
- 1 x SO-DIMM, DDR4 3200 MHz (Max. 32GB)
- Integrated Dual Gigabit Ethernet
- 1 x M.2 Key M Slot for M.2 2242 SATA III SSD Optional M.2 2280 NVME SSD

## INTRODUCTION

Winmate Open Frame Panel PC Series delivers versatility and performance for diverse industrial applications. Available in sizes from 5.7" to 24", these wide, rectangular panel PCs support multiple operating systems and advanced processors for seamless integration. Featuring resistive and PCAP touch options, they offer precise and intuitive operation. The open-frame design ensures easy installation into cabinets or kiosks, making them ideal for factory automation, retail, and interactive digital signage.

## SPECIFICATIONS

### Display

<b>Resolution</b>	1024x768	<b>Size</b>	12.1 inches
<b>Contrast Ratio</b>	1000:1	<b>Panel Brightness</b>	500.0 nits
<b>View Angles</b>	89,89,89,89	<b>Active Area</b>	245.76x184.32 mm
<b>Touch / Glass</b>	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)		

### System Specification

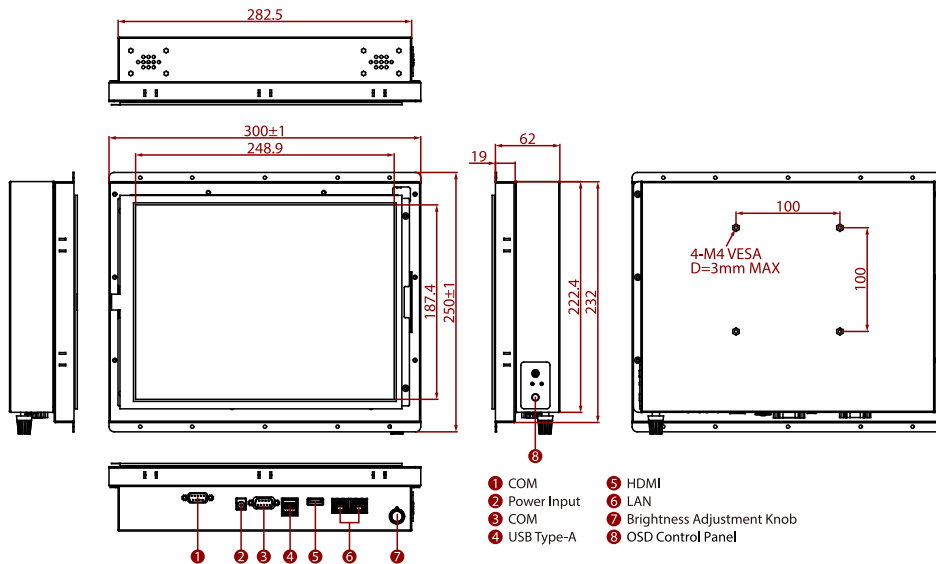
<b>WLAN</b>	Support (Optional)	<b>BT</b>	Support (Optional)
<b>Processor</b>	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	<b>Memory</b>	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
<b>Storage</b>	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional) 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)	<b>Ethernet controller</b>	2 x Intel® Ethernet Controller
<b>Security</b>	TPM 2.0	<b>Operating System</b>	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)

### Mechanical

<b>Dimension</b>	300 x 250 x 62 mm	<b>Weight</b>	2.3 kg
<b>Mounting</b>	Open Frame Panel Mount	<b>Enclosure</b>	Metal Housing

Cooling System	VESA Mount Fanless design		
<b>Environment</b>			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C		
<b>Certification</b>			
Certification	CE, FCC		
<b>IO Ports</b>			
Power Input	1 x 12V DC, 2.5φ DC jack	USB Port	2 x USB3.2 Gen2x1 (Type-A)
Serial Port	1 x RS232/422/485 (Default RS232) 1 x RS232	Video	1 x HDMI 2.0 (Optional)
Audio	2 x Speaker	Expansion Port	1 x M.2 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-KeySlot (for Wi-Fi Module)
LAN	2 x 2.5 Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for power 1 x LED Indicator for storage
Brightness Knob	1 x Brightness Adjustment Knob		
<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		
<b>Power</b>			
Power Rating	12V DC	Adapter	12V 120W

## DIMENSIONS UNIT:MM



## NOTE

1. This is a simplified drawing, and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.