

# R19IT7T-RKM1

19" Intel® Core™ i5 (Tiger Lake) Rack Mount Panel PC



## KEY FEATURES

- Intel® Core™ Tiger Lake UP3 i5-1135G7 (Without vPro) / Intel® Core™ Tiger Lake UP3 i5-1145G7E (With vPro)
- 1280x1024 Resolution
- Multi display supports DP / HDMI / LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 1 Ports
- 12V Single Voltage Power Input

## INTRODUCTION

Winmate Rack Mount Panel PC Series offers robust computing performance in a space-efficient rack mount design, perfect for server rooms, industrial control systems, and data centers. Powered by Intel® processors and available in sizes from 15" to 19", these panel PCs feature high-resolution displays, multiple I/O options, and multi-display support for seamless integration. With flexible storage, dual Gigabit Ethernet, and durable construction, the series delivers reliable performance and versatility for demanding industrial and commercial applications.

## SPECIFICATIONS

### Display

<b>Resolution</b>	1280x1024	<b>Size</b>	19.0 inches
<b>Contrast Ratio</b>	1000:1	<b>Panel Brightness</b>	250.0 nits
<b>View Angles</b>	85,85,80,80	<b>Active Area</b>	376.32x301.06 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>	2 x non-ECC SO-DIMM RAM, up to 64GB (32GB per DIMM)
<b>Storage</b>	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (Optional) 4TB 1 x SATA III for 2.5" SSD/HDD (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>	482 x 399 x 80 mm	<b>Weight</b>	6.9 kg
<b>Mounting</b>	VESA mount (Default) Rack mount (7U) (Optional)	<b>Enclosure</b>	Metal Housing
<b>Cooling System</b>	Fanless Design		

### Environment

<b>Operating Humidity</b>	10% to 90% RH, Non-Condensing	<b>Operating Temperature</b>	0°C to 50°C
<b>Storage Temperature</b>	-10°C to 60°C		

### Certification

<b>Certification</b>	CE, FCC
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### IO Ports

<b>Power Input</b>	1 x 12V DC, Din4 pin connector	<b>USB Port</b>	4 x USB3.2 Gen2x1 (Type-A)
<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS232	<b>Video</b>	1 x DP1.4 (Default) 1 x HDMI 2.0 (Optional)
<b>Audio</b>	Mic in Line out	<b>Expansion Port</b>	1 x M.2 2280 M-Key Slot (for NVME SSD) 1 x M.2 2230 E-Key Slot (for Wi-Fi module) 1 x PCIe 4.0 (x16) slot (x4 signal)
<b>LAN</b>	1 x Giga LAN RJ45 Connector 1 x 2.5 Giga LAN RJ45 Connector	<b>Indicator</b>	1 x LED Indicator for power 1 x LED Indicator for storage
<b>Brightness Knob</b>	1 x Brightness Adjustment Knob		

### Control

<b>Button</b>	1 x Power Button 1 x Reset Button
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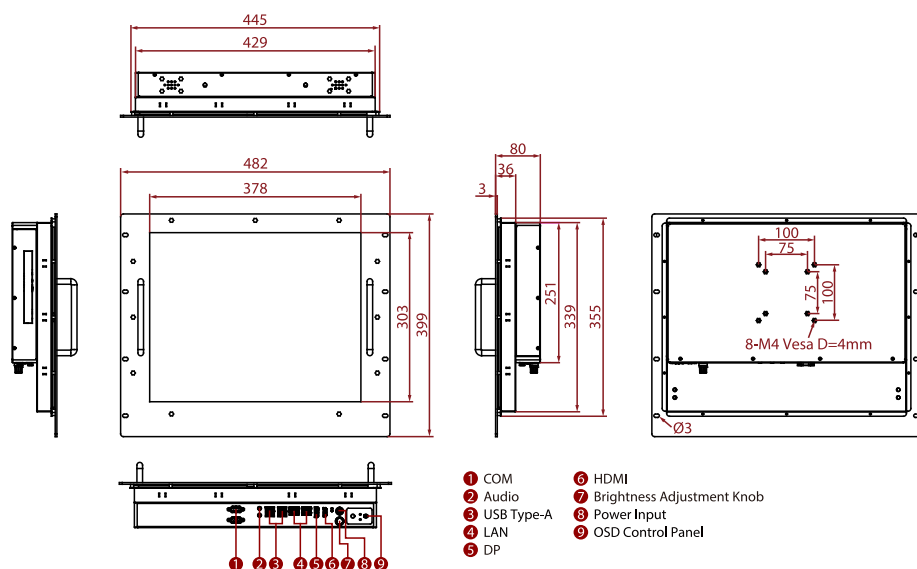
### Accessory

<b>Accessory</b>	100~240V AC to DC Adapter Power Cord VESA screws
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### Power

<b>Power Rating</b>	12V DC	<b>Adapter</b>	12V 120W
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## 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.