

# W22IT7T-GCA3

21.5" Intel® Core™ i5 Standalone Panel PC HMI



## KEY FEATURES

- Intel® Core™ Tiger Lake UP3 i5-1135G7 (Without vPro) / Intel® Core™ Tiger Lake UP3 i5-1145G7E (With vPro)
- 1920 x 1080 Resolution
- Multi display supports LVDS / eDP panel interface
- Multiple I/Os, 2 x Serial Ports, 4 x USB 3.2 Gen. 2 x 1
- 12V Single Voltage Power Input
- Front IP65 water and dust proof

## INTRODUCTION

Winmate G-WIN GC Series Panel PC Series offers advanced performance and flexibility, with sizes ranging from 7" to 24" and support for various operating systems, including Windows and Android. Designed with a fanless cooling system and ultra-low power consumption, these panel PCs feature a front IP65-rated edge-to-edge flat design for water and dust resistance and easy cleaning. With versatile I/O options, including USB, HDMI, and RS232/422/485, these robust devices are ideal for industrial automation, kiosks, and control systems, ensuring reliability in harsh environments.

## OVERVIEW



### Easy-to-clean Front Surface

Winmate's flat PCAP panel PCs go beyond that of the standard industrial panel computers with an elegant, edge-to-edge design. Easy to maintain and clean, to prevent water or liquid droplets penetrates every opening in the device.

### Front Ip65 Protection Against Water

Winmate multipurpose and waterproof panel PC is protected against outer dust and water splash with Front IP65 rated and ideal for use in harsh environments.





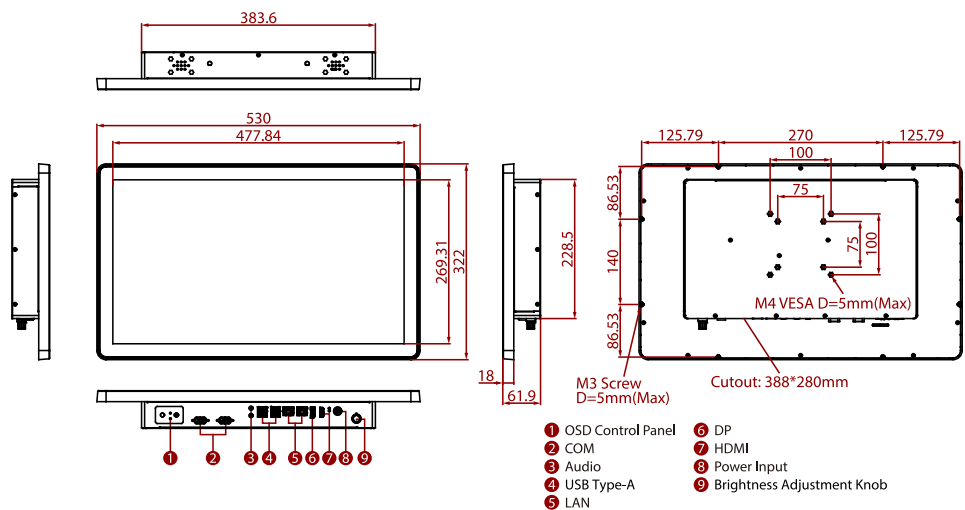
### Multiple Input Ports

Winmate Panel PCs are built to support various industrial applications. The panel PCs support multi-display inputs and various IO ports for seamless data transfer, management, and visualization.

## SPECIFICATIONS

Display			
<b>Resolution</b>	1920x1080	<b>Size</b>	21.5 inches
<b>Contrast Ratio</b>	3000:1	<b>Panel Brightness</b>	250.0 nits
<b>View Angles</b>	89,89,89,89	<b>Active Area</b>	476.64x268.11 mm
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen		
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) 2 x SO-DIMM, DDR4 3200 MHz, 4GB (Optional) 8GB (Optional) 16GB (Optional) 32GB (Optional) 64GB (Optional)
<b>Storage</b>	1 x M.2 M-Key 2280 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)
Environment			
<b>Operating Humidity</b>	10% to 90% (Non-Condensing)	<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-20°C~60°C	<b>Shock</b>	MIL-STD-810G Method 516.6
<b>Vibration</b>	MIL-STD-810G Method 514.6	<b>IP rating</b>	Front IP65
Certification			
<b>Certification</b>	CE, FCC		
IO Ports			
<b>USB Port</b>	4 x USB3.2 Gen.2x1 (Type-A)	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232) 1 x RS232
<b>Video</b>	1 x DP1.4 1 x HDMI 2.0 (Optional)	<b>Audio</b>	1 x Mic in 1 x Line out
<b>Expansion Port</b>	1 x M.2 2242/2280 Key M slot for SATA/NVMe SSD 1 x M.2 2230 Key E slot for WiFi (Optional)	<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
Mechanical			
<b>Dimension</b>	530 x 322 x 62 mm	<b>Mounting</b>	VESA Mount/ Panel Mount
<b>Enclosure</b>	Metal Housing with Plastic Bezel	<b>Cooling System</b>	Fanless Design
Accessory			
<b>Accessory</b>	Quick Start Guide(Hardcopy) AC Adapter Power Cable		
Control			
<b>Button</b>	1 x Power Button 1 x Reset Button		
Power			
<b>Power Rating</b>	12V DC, Din4 pin connector	<b>Adapter</b>	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.