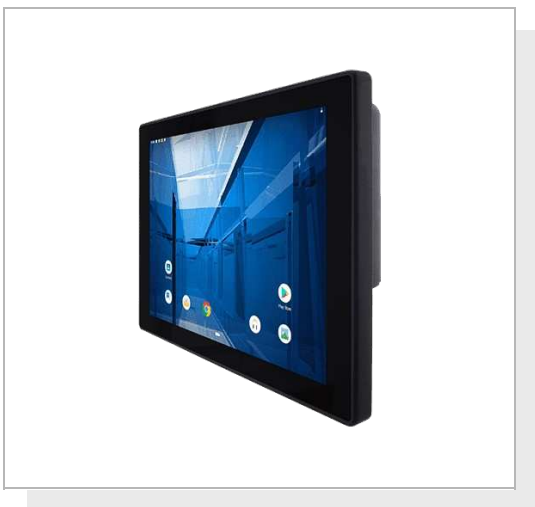


# R12IM3S-GCM2

## 12.1" ARM A53 G-WIN GC-Series Front IP65 PCAP Panel PC



### KEY FEATURES

- ARM A53 Quad Core 2.0GHz CPU
- Fanless cooling system and ultra-low power consumption
- Front IP65 for protection against water and dust
- A true flat, easy-to-clean front surface with edge-to-edge design
- Plenty of I/O, including 1 x Micro USB, 2 x USB 2.0; 1 x RS232/422/485; 1 x RJ45; 1 x Micro SD Slot; 1 x Micro HDMI (Optional)
- Support Android or Linux operating system



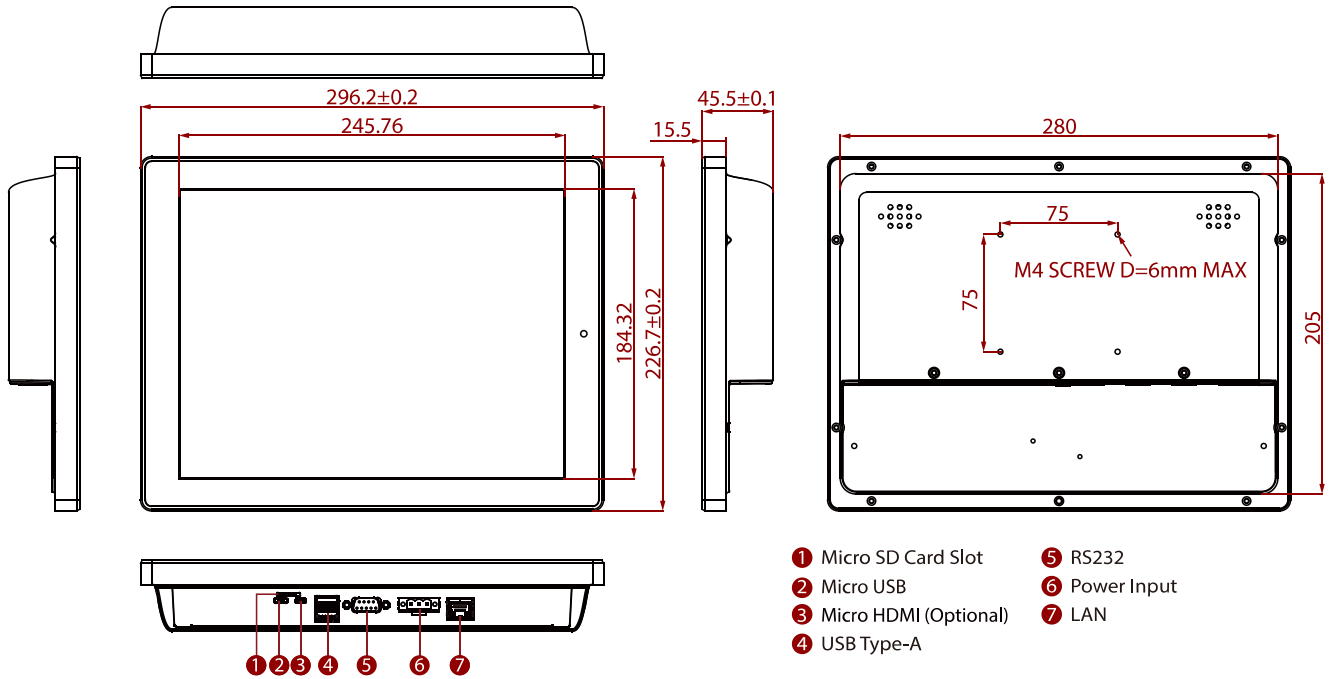
### SPECIFICATIONS

Display			
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen	<b>Resolution</b>	1024x768
<b>Size</b>	12.1 inches	<b>Contrast Ratio</b>	1000:1
<b>Panel Brightness</b>	500 nits 1000 nits(Optional)	<b>View Angles</b>	89,89,89,89
<b>Active Area</b>	245.76 x 184.32 mm		
System Specification			
<b>WLAN</b>	Support (Optional)	<b>BT</b>	Support (Optional)
<b>Processor</b>	ARM A53 Quad Core 2.0GHz	<b>Memory</b>	4GB LPDDR4
<b>Storage</b>	32GB eMMC	<b>Operating System</b>	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)
Mechanical			
<b>Dimension</b>	296.2 x 226.7 x 45.5 mm	<b>Mounting</b>	Panel Mount VESA Mount
<b>Enclosure</b>	Aluminum	<b>Cooling System</b>	Fanless design
<b>Cut out</b>	284x208 mm		
Environment			
<b>Operating Humidity</b>	10% to 90% (noncondensing)	<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-20~60°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>	2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)
<b>SD Card Slot</b>	1 x Micro SD card slot (Max to 32GB)	<b>Video</b>	1 x Micro HDMI Output (Optional)
<b>Audio</b>	2 x Speaker (Optional)	<b>LAN</b>	1 x LAN 10/100/1000 Mbps
Accessory			
<b>Accessory</b>	Quick Start Guide(Hardcopy)		

AC Adapter 12V/50W  
 Power Cord  
 3 Pin Terminal Block to DC Jack

<b>Power</b>			
<b>Power Rating</b>	12V DC with Terminal Block 9~36V (Optional)	<b>Adapter</b>	12V 50W
<b>Control</b>			
<b>Button</b>	1 x Power Button (Optional)		

**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. 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.
4. All specifications are subject to change without prior notice.