

W24IM3S-GCA2

23.8" 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



OVERVIEW



Signature True Flat Surface

The stylish design comes with a purely flat surface and edge-to-edge bezel. Maintenance and cleaning are now easier than ever. Easy to maintain and clean, to prevent water or liquid droplets penetrates every opening in the device. There will be no more clogged dust on edges with the true flat surface!



Convenient Onscreen Operations with PCAP Multi-Touch

The G-WIN GC Series Panel PC HMIs offer an ultimate touch experience with a projected capacitive (PCAP) multi-touch screen. This technology allows enjoying every touch and improving the convenience of using the device. Thus it helps to enhance the overall customer experience. Enjoy every touch and convenience of using the device!



Support the Latest Android OS

The G-WIN GC Series Panel PC HMIs support the latest Android operating system for your unique embedded application. Software integration options that come with Android platforms open vast possibilities for customization. Develop your unique application with Winmate G-WIN GC Series Panel PC HMI!



VESA Mount

The G-WIN GC Series Panel PC HMIs also comes with a VESA pattern for a wall, desk, and in-vehicle installation. Enable access to all of your I/O in high-traffic areas according to your specific requirements. Easy access to I/O terminals in all the industrial scenarios.



Water and Dust Protection

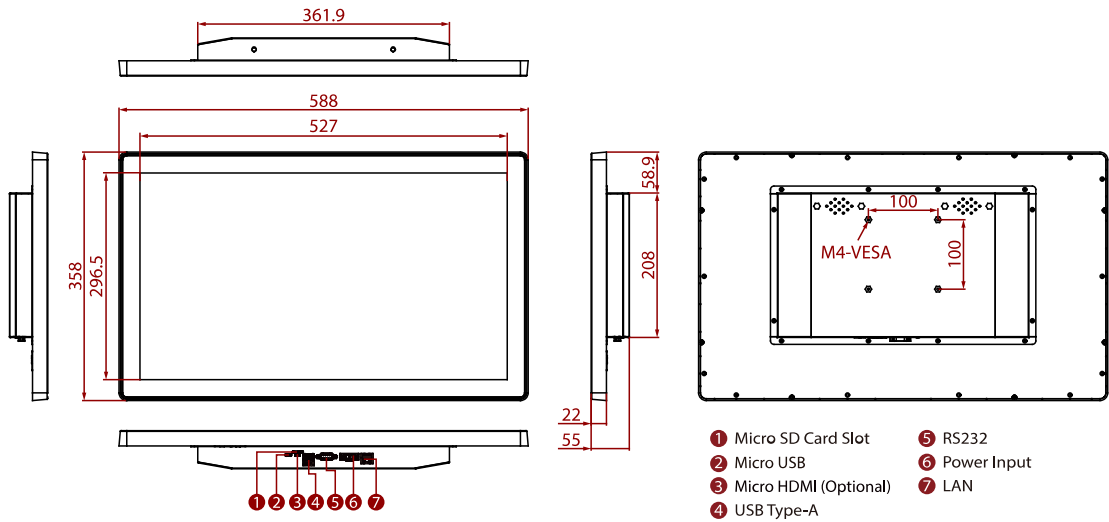
Depending on the model, G-WIN GC Series Panel PC HMIs feature front IP65 water and dust resistance, suitable to withstand the rigors of industrial environments.

SPECIFICATIONS

Display			
Resolution	1920x1080	Size	23.8 inches
Contrast Ratio	3000:1	Panel Brightness	250.0 nits

View Angles	89,89,89,89	Active Area	527.04x296.46 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		
System Specification			
WLAN	Support (Optional)	BT	Support (Optional)
Processor	ARM A53 (Quad Core 2.0GHz)	Memory	4GB LPDDR4
Storage	eMMC: Onboard 32 GB	Operating System	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu Server 22.04 (Optional)
Mechanical			
Dimension	588 x 358 x 55 mm	Mounting	Panel Mount VESA Mount
Enclosure	Metal Housing with Plastic Bezel	Cooling System	Fanless Design
Cut out	388x280mm		
Environment			
Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
USB Port	2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)	Video	1 x Micro HDMI Output (Optional)
Audio	2 x Speaker (Optional)	LAN	1 x LAN 10/100/1000 Mbps
Accessory			
Accessory	Quick Start Guide(Hardcopy) AC Adapter 12V/50W Power Cord 3 Pin Terminal Block to DC Jack		
Power			
Power Rating	12V DC with Terminal Block 9~36V (Optional)	Adapter	12V 84W
Control			
Button	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.