# W22IM3S-GCA3

## 21.5" 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



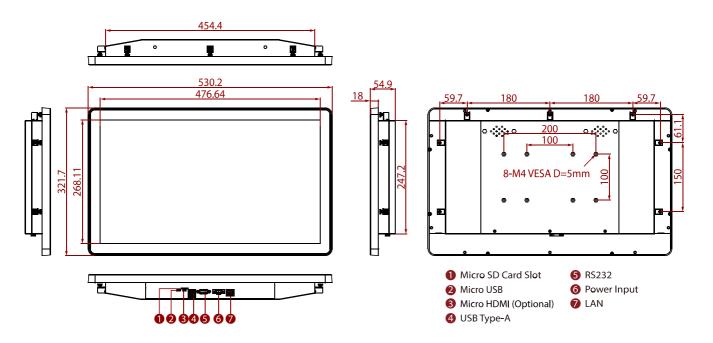
#### **SPECIFICATIONS**

**Display** 

Resolution         1920x1080         Size         21.5 inches           Contrast Ratio         3000.1         Panel Brightness         250 nits           View Angles         89,89,89,99         Active Area         476,64x268.11 mm           Touch / Glass         Projected Capacitive Multi Touch Screen           System Specification           WLAN         Support (Optional)         BT         Support (Optional)           Processor         ARM A53 Quad Core 2.0GHz         Memory         4 GB L PDDR4           Storage         32GB eMMC         Operating System         Aninx of 11 (Upgradeable to Android 13) Aninx of 10 (11) (Upgradeable to Android 13) Aninx of 2015, 10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)           Mechanical           Dimension         530 x 322 x 55 mm         Mounting         Panel Mount VESA Mount           Environment           Environment           Dimension         10% to 90% (noncondensing)         Operating System         Fanless design           Environment           Storage Temperature         20-60°C         MIL-STD-810G Method 514.6         IP rating         Front IP65           Storage Temperature         Fond IP65         Temperature <th< th=""><th></th><th></th><th></th><th></th></th<>					
View Angles         89,88,89,89         Active Area         476.64x268.11 mm           Touch / Glass         Projected Capacitive Multi Touch Screen           System Specification           WLAN         Support (Optional)         BT         Support (Optional)           Processor         ARM A53 Quad Core 2.0GHz         Memory         46B LPDDR4           Storage         32GB eMMC         Operating System         Individed 11 (Upgradeable to Android 13) Infinix Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)           Mechanical         Will add thousing with Plastic Bezel         Cooling System         Panel Mount VESA Mount           Enclosure         Metal Housing with Plastic Bezel         Cooling System         Panless design           Environment         Environment         Operating Humidity         10% to 90% (noncondensing)         Operating Properature         0-50°C           Storage Temperature         20~60°C         Shock         MIL-STD-810G Method 516.6           Vibration         MIL-STD-810G Method 514.6         IP rating         Front IP65           Certification           Certification         CE, FCC           IVage A 1x Micro USD card slot (Max to 32GB)         Video         1x Micro HDMI Output (Optional)           Accessor	Resolution	1920x1080	Size	21.5 inches	
System Specification  WLAN Support (Optional) BT Support (Optional) Processor ARM A53 Quad Core 2.0GHz Memory 4GB LPDDR4  Storage 32GB eMMC Operating System Android 11 (Upgradeable to Android 13) Linux Vocto 5.10.104 with QT 5.15 (Optional) Mechanical  Dimension 530 x 322 x 55 mm Mounting Panel Mount VESA Mount Enclosure Metal Housing with Plastic Bezel Cooling System Fanless design  Environment  Operating Humidity 10% to 90% (noncondensing) Operating Temperature  Temperature Vibration MIL-STD-810G Method 514.6 IP rating Front IP65  Certification CE, FCC  IO Ports  USB Port 2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG  SD Card Slot 1 x Micro USB 2.0 OTG  SD Card Slot 1 x Micro USB 2.0 OTG  SD Card Slot 1 x Micro SD card slot (Max to 32GB) Video 1 x Micro HDMI Output (Optional) Accessory  Accessory Quick Start Guide(Hardcopy)	Contrast Ratio	3000:1	Panel Brightness	250 nits	
System Specification  WLAN Support (Optional) Processor ARM A53 Quad Core 2.0GHz Memory 4GB LPDDR4  Storage 32GB eMMC Operating System Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Vocto 5.10.104 with QT 5.15 (Optional) Lan	View Angles	89,89,89,89	Active Area	476.64x268.11 mm	
WLAN Support (Optional) BT Support (Optional) Processor ARM A53 Quad Core 2.0GHz Memory 4GB LPDDR4  Storage 32GB eMMC Operating System Android 11 (Upgradeable to Android 13) Linux Vocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional) Linux Ubuntu (in 2023) (Optional)  Mechanical  Dimension 530 x 322 x 55 mm Mounting Panel Mount VESA Mount  Enclosure Metal Housing with Plastic Bezel Cooling System Fanless design  Cut out 457x250 mm  Environment  Operating Humidity 10% to 90% (noncondensing) Operating Temperature  Storage -20~60°C Shock MIL-STD-810G Method 516.6  Temperature Vibration MIL-STD-810G Method 514.6 IP rating Front IP65  Certification CE, FCC  IO Ports  USB Port 2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG  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  Accessory Quick Start Guide(Hardcopy)	Touch / Glass	Projected Capacitive Multi Touch Screen			
Processor         ARM A53 Quad Core 2.0GHz         Memory         4GB LPDDR4           Storage         32GB eMMC         Operating System         Android 11 (Upgradeable to Android 13) Linux Vocto 5.10.104 with QT 5.15 (Optional) Linux Vocto 5.10.104 with QT 5.15 (Optional) Linux Vocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)           Mechanical         Dimension         530 x 322 x 55 mm         Mounting         Panel Mount VESA Mount           Enclosure         Metal Housing with Plastic Bezel         Cooling System         Fanless design           Cut out         457x250 mm         Fanless design           Environment           Operating Humidity         10% to 90% (noncondensing)         Operating Properature         0~50°C           Storage Temperature         20~60°C         MIL-STD-810G Method 514.6         IP rating         Front IP65           Certification           Certification         Ce, FC           IOP Ports         1 x RS232/422/485 (Default RS232)           USB Port         1 x Micro USB 2.0 Type A 1 x Micro SD card slot (Max to 32GB)         Video         1 x Micro HDMI Output (Optional)           Accessory	System Specificat	ion			
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Linux Yocto 5.10.104 with QT 5.15 (Optional)	Processor	ARM A53 Quad Core 2.0GHz	Memory	4GB LPDDR4	
Dimension 530 x 322 x 55 mm Mounting Panel Mount VESA Mount  Enclosure Metal Housing with Plastic Bezel Cooling System Fanless design  Cut out 457x250 mm  Environment  Operating Humidity 10% to 90% (noncondensing) Operating Temperature Properature Properatur	Storage	32GB eMMC	Operating System	Linux Yocto 5.10.104 with QT 5.15 (Optional)	
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Operating Humidity 10% to 90% (noncondensing)	Cut out	457x250 mm			
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Accessory Accessory Quick Start Guide(Hardcopy)	SD Card Slot	1 x Micro SD card slot (Max to 32GB)	Video	1 x Micro HDMI Output (Optional)	
Accessory Quick Start Guide(Hardcopy)	Audio	2 x Speaker (Optional)	LAN	1 x LAN 10/100/1000 Mbps	
	Accessory				
	Accessory				

Power				
Power Rating	12V DC with Terminal Block	Adapter	12V 84W	
	9~36V (Optional)			
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.