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)
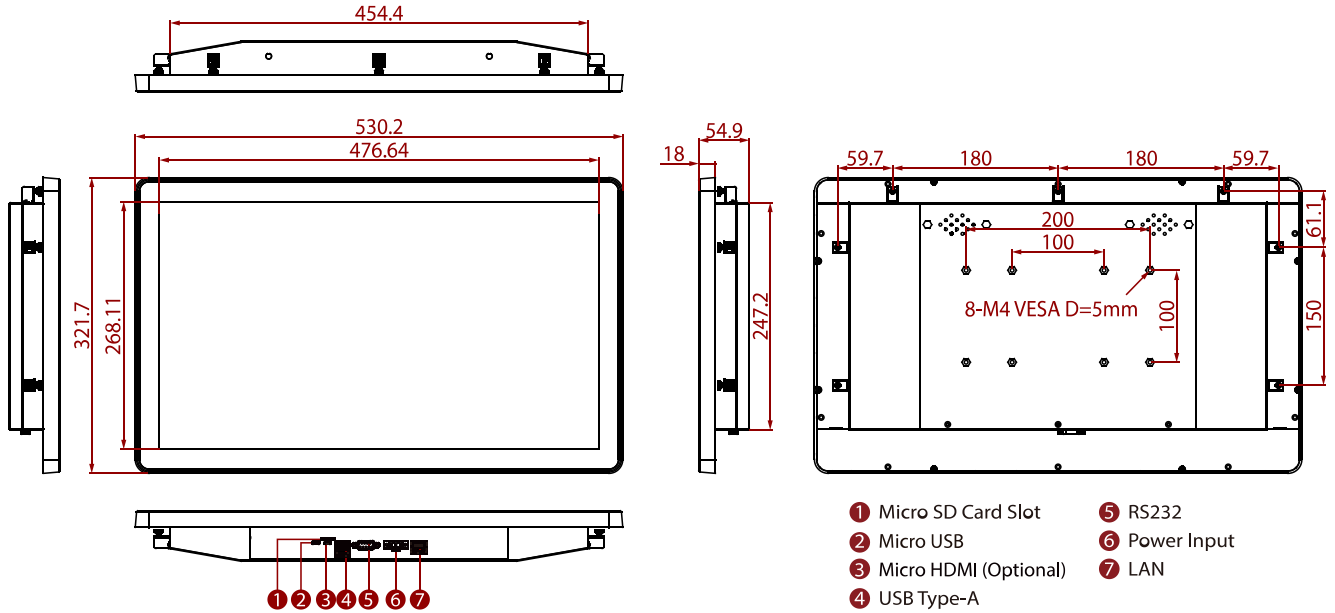- Support Android or Linux operating system

SPECIFICATIONS

Display

Resolution	1920x1080	Size	21.5 inches
Contrast Ratio	3000:1	Panel Brightness	250 nits
View Angles	89,89,89,89	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	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)

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	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

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

❶ Micro SD Card Slot   ❺ RS232
❷ Micro USB   ❻ Power Input
❸ Micro HDMI (Optional) ❼ LAN
❹ USB Type-A

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.