W07IM3S-GST1

7" ARM A53 G-WIN GS-Series Full IP65 PCAP Panel PC

KEY FEATURES

- 7" 1024 x 600 with PCAP touchscreen
- ARM A53 Quad Core 2.0GHz
- Fanless cooling system and Ultralow power consumption
- Full IP65
- Onboard 32GB eMMC
- Onboard LPDDR4 4GB
- 1 x LAN, 1 x RS232, 1 x USB, 1 x Micro USB, 1 x Micro SD
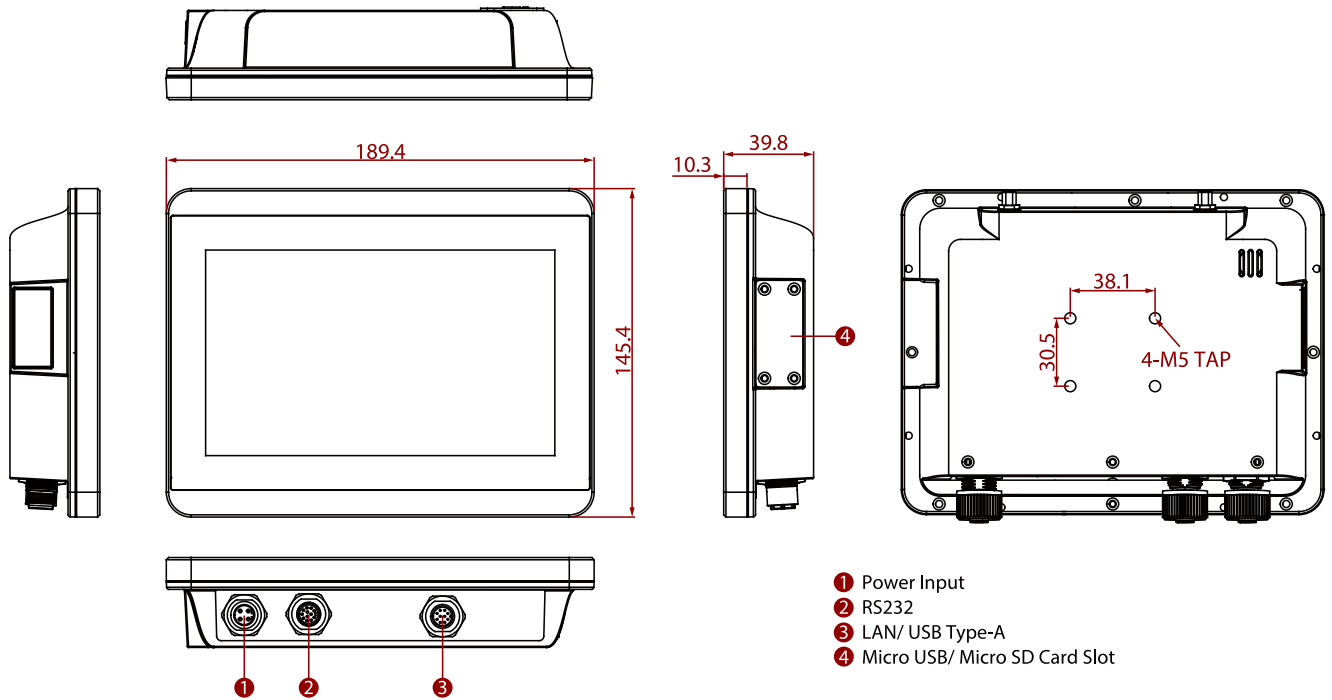- Support Android or Linux operating system

CE FC IP65

SPECIFICATIONS

Display

Resolution	1024x600	Size	7.0 inches
Contrast Ratio	1000:1	Panel Brightness	320.0 nits
View Angles	75,75,75,70	Active Area	153.6x90 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

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)

Environment

Operating Humidity	10% to 95% RH, Non-Condensing	Operating Temperature	-15°C to 55°C
Storage Temperature	-30°C to 60°C	Shock	40g for 11ms
Vibration	1.48/1.90/2.24 g rms for XYZ/ 5-500Hz	IP rating	IP65

Certification

Certification	CE, FCC

IO Ports

USB Port	1 X USB 2.0 (M12 type) 1 X Micro USB	Serial Port	1 x RS232 (M12 type)(Optional 422/485)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)	Audio	1 x Speaker
LAN	1 x LAN 10/100/1000 Mbps (M12 type)		

Mechanical

Dimension	189.4 x 145.4 x 39.8 mm	Mounting	Panel Mount VESA Mount
Enclosure	Metal Housing with Aluminum Bezel	Cooling System	Fanless Design

Power

Power Rating	9V~24V DC (M12 type)

Accessory

Accessory	Quick Start Guide (Hardcopy)

M12 Power Cable
M12 Serial Interface Cable
M12 USB/ LAN Cable
I/O Protective Cap x 3

DIMENSIONS UNIT:MM

❶ Power Input
❷ RS232
❸ LAN/ USB Type-A
❹ Micro USB/ Micro SD Card Slot

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.