



R12MG3S-GSM2(HB) 12.1" ARM A78 + A55 G-WIN GS-Series Full IP65 PCAP Panel PC

Manufacturer part number: R12MG3S-GSM2(HB) | G-WIN Series / IP67 Design



Explore Winmate R12MG3S-GSM2(HB), an industrial panel PC featuring 12.1-inch display with 1024x768 resolution, IP65 for machine control and factory automation.

Display	
Touch / Glass	Projected Capacitive Multi Touch Screen (Default), Protection Glass (Optional)
Size	12.1 inches
Resolution	1024x768
Panel Brightness	500 nits(Default), 1000 (Optional)
Contrast Ratio	1000:1
View Angles	89,89,89,89
Active Area	245.76x184.32 mm
System Specification	
Processor	ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz
Memory	4GB LPDDR4
Storage	Onboard 32 GB
Operating System	Android 13 (Default), Linux Yocto 5.15.47 with QT 5.15 (Optional), Linux Ubuntu 22.04 (Optional)
Environment	
Operating Humidity	10% to 95% RH, Non-Condensing
Operating Temperature	-15 deg C to 55 deg C
Storage Temperature	-30 deg C to 60 deg C
Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I
IP rating	IP65
Certification	
Certification	CE, FCC
IO Ports	
USB Port	1 X USB 2.0 (M12 type), 1 X USB Type-C
Serial Port	1 x RS232 (M12 type)(Optional 422/485)
LAN	1 x LAN 10/100/1000 Mbps (M12 type)
Audio	2 x Speaker

SD Card Slot	1 x Micro SD card slot
Mechanical	
Dimension	296.2 x 226.7 x 45.5 mm
Mounting	Panel mount, VESA mount
Enclosure	Metal Housing with Aluminum Bezel
Cooling System	Fanless Design
Power	
Power Rating	12V 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