



# W12MG3S-GCB1 12.3" ARM A78 + A55 G-WIN GC-Series Front IP65 PCAP Panel PC

Manufacturer part number: W12MG3S-GCB1 | G-WIN Series / IP67 Design



Explore Winmate W12MG3S-GCB1, an industrial panel PC featuring 12.3-inch display, IP65 for machine control and factory automation.

| Display              |                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------|
| Touch / Glass        | Projected Capacitive Multi Touch Screen                                                          |
| Size                 | 12.3 inches                                                                                      |
| Resolution           | 1920x720                                                                                         |
| Panel Brightness     | 1000.0 nits                                                                                      |
| Contrast Ratio       | 1000:1                                                                                           |
| View Angles          | 88,88,88,88                                                                                      |
| Active Area          | 292.92x110.22 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) |
| WLAN                 | Support (Optional)                                                                               |
| BT                   | Support (Optional)                                                                               |
| Mechanical           |                                                                                                  |
| Dimension            | 325.02 x 146.5 x 45 mm                                                                           |
| Mounting             | VESA mount                                                                                       |
| Cooling System       | Fanless Design                                                                                   |
| 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)                                                                |
| LAN                  | 1 x LAN 10/100/1000 Mbps                                                                         |
| Video                | 1 x Micro HDMI Output (Optional)                                                                 |
| Audio                | 2 x Speaker (Optional)                                                                           |
| SD Card Slot         | 1 x Micro SD card slot (Max to 32GB)                                                             |
| Environment          |                                                                                                  |
| Operating Humidity   | 10% to 90% RH, Non-Condensing                                                                    |

|                              |                                                                                               |
|------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | 0 deg C to 50 deg C                                                                           |
| <b>Storage Temperature</b>   | -20 deg C to 60 deg C                                                                         |
| <b>Shock</b>                 | MIL-STD-810H Method 516.8 Procedure I                                                         |
| <b>Vibration</b>             | MIL-STD-810H Method 514.8 Procedure I                                                         |
| <b>IP rating</b>             | Front IP65                                                                                    |
| <b>Certification</b>         |                                                                                               |
| <b>Certification</b>         | CE, FCC                                                                                       |
| <b>Control</b>               |                                                                                               |
| <b>Button</b>                | 1 x Power Button (Optional)                                                                   |
| <b>Power</b>                 |                                                                                               |
| <b>Power Rating</b>          | 12V DC with Terminal Block (Default), 24V (Optional), 9~36V (Optional)                        |
| <b>Adapter</b>               | 12V 50W                                                                                       |
| <b>Accessory</b>             |                                                                                               |
| <b>Accessory</b>             | Quick Start Guide(Hardcopy) , AC Adapter 12V/50W, Power Cord, 3 Pin Terminal Block to DC Jack |