

# R12MG3S-GCM2

12.1" ARM A78 + A55 G-WIN GC-Series Front IP65 PCAP Panel PC



CE

FC

## KEY FEATURES

- ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz
- 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 USB Type-C, 2 x USB 2.0; 1 x RS232/422/485; 1 x RJ45; 1 x Micro SD Slot; 1 x Micro HDMI (Optional)

## INTRODUCTION

Winmate G-WIN GC Series Panel PC Series offers advanced performance and flexibility, with sizes ranging from 7" to 24" and support for various operating systems, including Windows and Android. Designed with a fanless cooling system and ultra-low power consumption, these panel PCs feature a front IP65-rated edge-to-edge flat design for water and dust resistance and easy cleaning. With versatile I/O options, including USB, HDMI, and RS232/422/485, these robust devices are ideal for industrial automation, kiosks, and control systems, ensuring reliability in harsh environments.

## SPECIFICATIONS

### Display

|                         |                                         |                       |             |
|-------------------------|-----------------------------------------|-----------------------|-------------|
| <b>Touch / Glass</b>    | Projected Capacitive Multi Touch Screen | <b>Resolution</b>     | 1024x768    |
| <b>Size</b>             | 12.1 inches                             | <b>Contrast Ratio</b> | 1000:1      |
| <b>Panel Brightness</b> | 500 nits<br>1000 nits(Optional)         | <b>View Angles</b>    | 89,89,89,89 |
| <b>Active Area</b>      | 245.76x184.32 mm                        |                       |             |

### System Specification

|                  |                                     |                         |                                                                                             |
|------------------|-------------------------------------|-------------------------|---------------------------------------------------------------------------------------------|
| <b>WLAN</b>      | Support (Optional)                  | <b>BT</b>               | Support (Optional)                                                                          |
| <b>Processor</b> | ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz | <b>Memory</b>           | 4GB LPDDR4                                                                                  |
| <b>Storage</b>   | Onboard 32 GB                       | <b>Operating System</b> | Android 13<br>Linux Yocto 5.10.104 with QT 5.15 (Optional)<br>Linux Ubuntu 22.04 (Optional) |

### Mechanical

|                  |                         |                       |                           |
|------------------|-------------------------|-----------------------|---------------------------|
| <b>Dimension</b> | 296.2 x 226.7 x 45.5 mm | <b>Mounting</b>       | Panel mount<br>VESA mount |
| <b>Enclosure</b> | Aluminum                | <b>Cooling System</b> | Fanless Design            |
| <b>Cut out</b>   | 284x208mm               |                       |                           |

### Environment

|                            |                                       |                              |                                       |
|----------------------------|---------------------------------------|------------------------------|---------------------------------------|
| <b>Operating Humidity</b>  | 10% to 90% RH, Non-Condensing         | <b>Operating Temperature</b> | 0°C to 50°C                           |
| <b>Storage Temperature</b> | -20°C to 60°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                            |

## Certification

|               |         |
|---------------|---------|
| Certification | CE, FCC |
|---------------|---------|

## IO Ports

|              |                                                |             |                                   |
|--------------|------------------------------------------------|-------------|-----------------------------------|
| USB Port     | 2 x USB 2.0 Type A<br>1 x USB 2.0 Type C (OTG) | Serial Port | 1 x RS232/422/485 (Default RS232) |
| SD Card Slot | 1 x Micro SD card slot                         | 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)<br>AC Adapter 12V/50W<br>Power Cord<br>3 Pin Terminal Block to DC Jack |
|-----------|----------------------------------------------------------------------------------------------------|

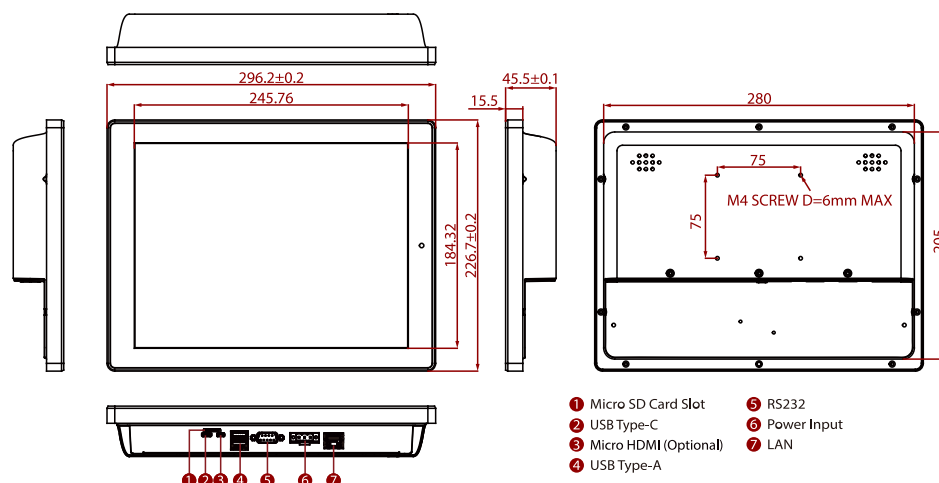
## Power

|              |                                                |         |         |
|--------------|------------------------------------------------|---------|---------|
| Power Rating | 12V DC with Terminal Block<br>9~36V (Optional) | Adapter | 12V 50W |
|--------------|------------------------------------------------|---------|---------|

## 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.

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.