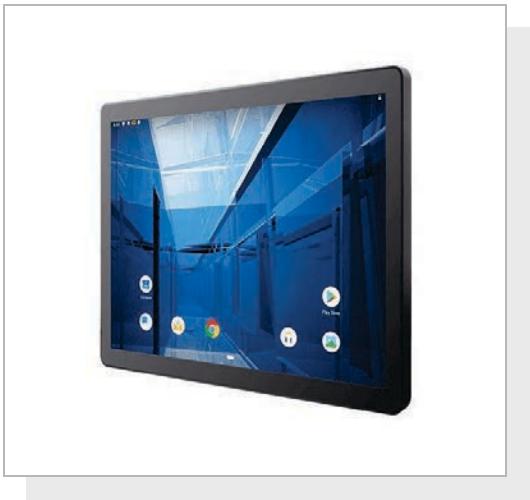


# R19IM3S-GCM1

## 19" 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



### OVERVIEW



#### Signature True Flat Surface

The stylish design comes with a purely flat surface and edge-to-edge bezel. Maintenance and cleaning are now easier than ever. Easy to maintain and clean, to prevent water or liquid droplets penetrates every opening in the device. There will be no more clogged dust on edges with the true flat surface!



#### Convenient Onscreen Operations with PCAP Multi-Touch

The G-WIN GC Series Panel PC HMIs offer an ultimate touch experience with a projected capacitive (PCAP) multi-touch screen. This technology allows enjoying every touch and improving the convenience of using the device. Thus it helps to enhance the overall customer experience. Enjoy every touch and convenience of using the device!



#### Support the Latest Android OS

The G-WIN GC Series Panel PC HMIs support the latest Android operating system for your unique embedded application. Software integration options that come with Android platforms open vast possibilities for customization. Develop your unique application with Winmate G-WIN GC Series Panel PC HMI!



#### VESA Mount

The G-WIN GC Series Panel PC HMIs also comes with a VESA pattern for a wall, desk, and in-vehicle installation. Enable access to all of your I/O in high-traffic areas according to your specific requirements. Easy access to I/O terminals in all the industrial scenarios.



#### Water and Dust Protection

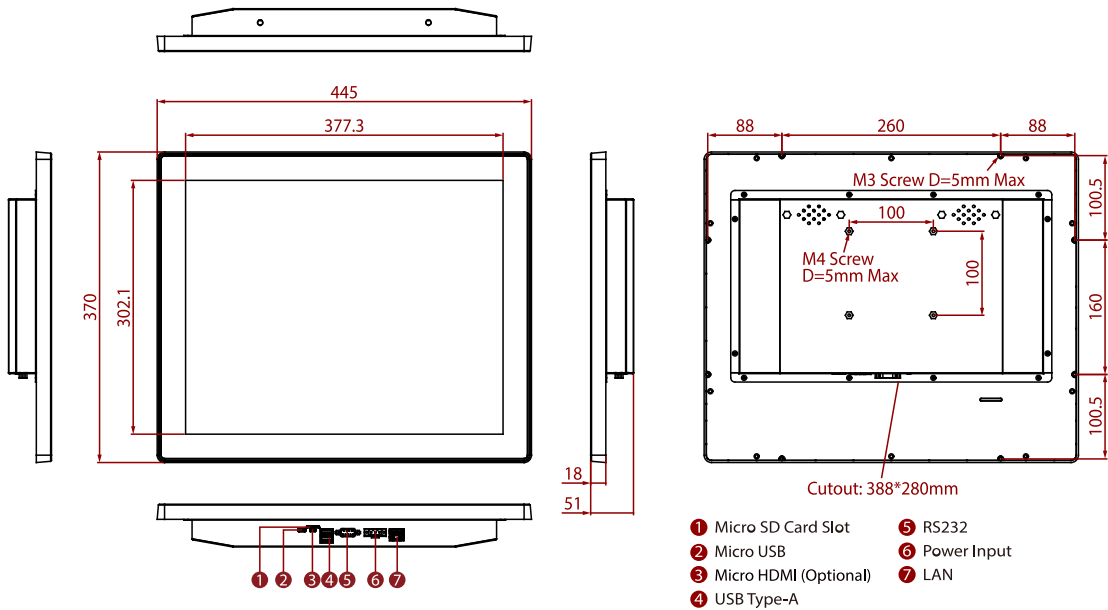
Depending on the model, G-WIN GC Series Panel PC HMIs feature front IP65 water and dust resistance, suitable to withstand the rigors of industrial environments.

### SPECIFICATIONS

| Display        |           |                  |             |
|----------------|-----------|------------------|-------------|
| Resolution     | 1280x1024 | Size             | 19.0 inches |
| Contrast Ratio | 1000:1    | Panel Brightness | 250.0 nits  |

|                             |  |                              |   |
|-----------------------------|--|------------------------------|---|
| <b>View Angles</b>          | 85,85,80,80  | <b>Active Area</b>           | 376.32x301.06 mm  |
| <b>Touch / Glass</b>        | Projected Capacitive Multi Touch Screen  |                              |   |
| <b>System Specification</b> |  |                              |   |
| <b>WLAN</b>                 | Support (Optional)   | <b>BT</b>                    | Support (Optional)  |
| <b>Processor</b>            | ARM A53 (Quad Core 2.0GHz)   | <b>Memory</b>                | 4GB LPDDR4  |
| <b>Storage</b>              | eMMC: Onboard 32 GB  | <b>Operating System</b>      | Android 11 (Upgradable to Android 13)<br>Linux Yocto 5.10.104 with QT 5.15 (Optional)<br>Linux Ubuntu Server 22.04 (Optional) |
| <b>Mechanical</b>           |  |                              |   |
| <b>Dimension</b>            | 445 x 370 x 51 mm  | <b>Mounting</b>              | Panel Mount<br>VESA Mount   |
| <b>Enclosure</b>            | Metal Housing with Plastic Bezel   | <b>Cooling System</b>        | Fanless Design  |
| <b>Cut out</b>              | 388x280mm  |                              |   |
| <b>Environment</b>          |  |                              |   |
| <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-810G Method 516.6 Procedure I   |
| <b>Vibration</b>            | MIL-STD-810G Method 514.6 Procedure I  | <b>IP rating</b>             | Front IP65  |
| <b>Certification</b>        |  |                              |   |
| <b>Certification</b>        | CE, FCC  |                              |   |
| <b>IO Ports</b>             |  |                              |   |
| <b>USB Port</b>             | 2 x USB 2.0 Type A<br>1 x Micro USB 2.0 OTG  | <b>Serial Port</b>           | 1 x RS232/422/485 (Default RS232)   |
| <b>SD Card Slot</b>         | 1 x Micro SD card slot (Max to 32GB)   | <b>Video</b>                 | 1 x Micro HDMI Output (Optional)  |
| <b>Audio</b>                | 2 x Speaker (Optional)   | <b>LAN</b>                   | 1 x LAN 10/100/1000 Mbps  |
| <b>Accessory</b>            |  |                              |   |
| <b>Accessory</b>            | Quick Start Guide(Hardcopy)<br>AC Adapter 12V/50W<br>Power Cord<br>3 Pin Terminal Block to DC Jack |                              |   |
| <b>Power</b>                |  |                              |   |
| <b>Power Rating</b>         | 12V DC with Terminal Block<br><br>9~36V (Optional)   | <b>Adapter</b>               | 12V 84W   |
| <b>Control</b>              |  |                              |   |
| <b>Button</b>               | 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.