

# R10FA3S-GST2

10.4" NXP i.MX6 G-WIN GS-Series Full IP65 PCAP Panel PC



## KEY FEATURES

- 10.4" 1024 x 768 with P-CAP touchscreen
- NXP i.MX6 Dual Core 1GHz (Optional Quad Core)
- Fanless cooling system and Ultra-low power consumption
- Onboard LPDDR3 1GB Full IP65 PCAP Panel PC
- Onboard 16GB eMMC Flash
- Full IP65
- 1 x LAN, 1 x RS232, 1 x USB, 1 x USB OTG, 1 x Console, 1 x Micro SD

## INTRODUCTION

Winmate G-WIN GS Series Full IP65 Panel PC Series is engineered for demanding industrial applications, offering sizes from 7" to 15" with a fanless cooling system and ultra-low power consumption. These robust Panel PCs feature edge-to-edge design, PCAP multi-touch screens, and full IP65 protection with waterproof M12 connectors, ensuring resistance to water, dust, and harsh conditions. With versatile I/O options, rugged durability, and sleek functionality, they are ideal for manufacturing, outdoor kiosks, and other challenging environments.

## SPECIFICATIONS

### Display

|                |                                                                        |                  |                |
|----------------|------------------------------------------------------------------------|------------------|----------------|
| Resolution     | 1024x768                                                               | Size             | 10.4 inches    |
| Contrast Ratio | 1000:1                                                                 | Panel Brightness | 350 nits       |
| View Angles    | 88,88,88,88                                                            | Active Area      | 210.4x157.8 mm |
| Touch / Glass  | Projected Capacitive Multi Touch Screen<br>Protection Glass (Optional) |                  |                |

### System Specification

|           |                                                       |                  |                                                                                                                    |
|-----------|-------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------|
| Processor | NXP i.MX6 Dual Core, 1.0GHz                           | Memory           | 1GB<br>2GB (Optional)                                                                                              |
| Storage   | eMMC: Onboard 16 GB<br>eMMC: Onboard 32 GB (Optional) | Operating System | Linux Ubuntu 18.04 (Optional)<br>Android 6.0 (Optional)<br>Debian 7.0 (Optional)<br>Linux 4.1.15 QT 5.5 (Optional) |
| WLAN      | Support (Optional)                                    | BT               | Support (Optional)                                                                                                 |

### Environment

|                     |                                       |                       |                                |
|---------------------|---------------------------------------|-----------------------|--------------------------------|
| Operating Humidity  | 10% to 95% RH                         | Operating Temperature | -15~55°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, Dustproof and Waterproof |

### Certification

|               |                                                                |
|---------------|----------------------------------------------------------------|
| Certification | CE, FCC<br>Compliant with MIL-STD-810F/G for vibration / shock |
|---------------|----------------------------------------------------------------|

IO Ports

|              |                        |             |                                        |
|--------------|------------------------|-------------|----------------------------------------|
| USB Port     | 1 X USB 2.0 (M12 type) | Serial Port | 1 x RS232 (M12 type)(Optional 422/485) |
| SD Card Slot | 1 x Micro SD Card Slot | LAN         | 1 x LAN-10/100/1000 (M12 type)         |

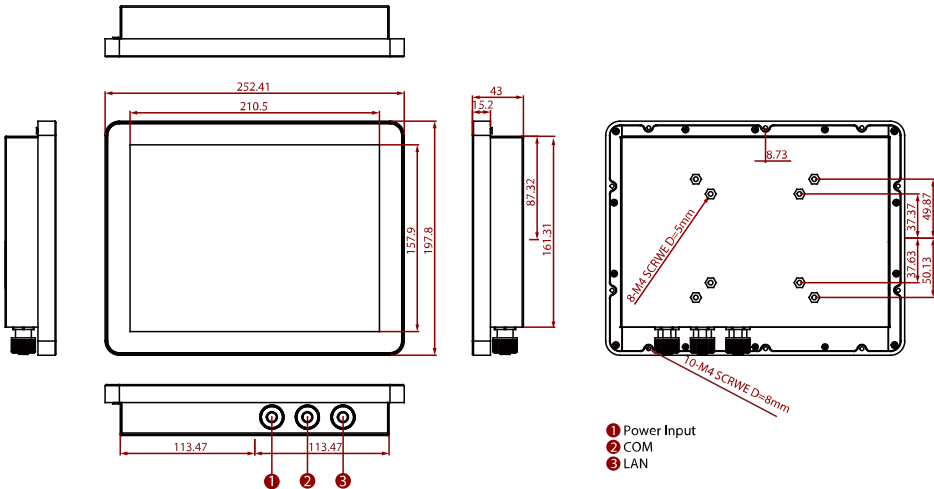
Power

|              |                   |
|--------------|-------------------|
| Power Rating | 12V DC (M12 type) |
|--------------|-------------------|

Accessory

|           |                                                                                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessory | Quick Start Guide (Hardcopy)<br>Driver CD & User Manual<br>M12 Power Cable<br>M12 Serial Interface Cable<br>M12 USB/ LAN Cable<br>I/O Protective Cap x 3 |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

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. 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.