

# W07IAN3S-GCO1HB

7" G-WIN GC-Series Front IP65 PCAP High Brightness Panel PC with Intel® Processor

N150



## KEY FEATURES

- 7" 1024 x 600 with P-CAP touchscreen
- Low power consumption with Intel® Processor N150
- Fanless cooling system design
- 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 2 x 2.5GbE LAN, 1 x COM, 2 x USB 3.2 Gen 2 x1, 1 x HDMI

## INTRODUCTION

Winmate W07IAN3S-GCO1HB is a 7-inch G-WIN GC-Series Front IP65 PCAP High Brightness Panel PC with Intel® Processor N150 engineered for machine control, factory automation, and operator HMI. It combines Intel® Processor N150, 7-inch display with 1024x600 resolution, and IP65 to support reliable operation in harsh industrial environments. With Android, the W07IAN3S-GCO1HB helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

## SPECIFICATIONS

### Display

|                  |                                         |                |             |
|------------------|-----------------------------------------|----------------|-------------|
| Touch / Glass    | Projected Capacitive Multi Touch Screen | Resolution     | 1024x0600   |
| Size             | 7.0 inches                              | Contrast Ratio | 800:1       |
| Panel Brightness | 1000.0 nits                             | View Angles    | 85,85,85,85 |
| Active Area      | 152.2144x85.92 mm                       |                |             |

### System Specification

|           |                                                                                                                  |                     |                                                                                                                    |
|-----------|------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------|
| Processor | Intel® Processor N150 6M Cache, up to 3.6 GHz                                                                    | Memory              | 8GB (Default)<br>16GB (Optional)                                                                                   |
| Storage   | 128GB SSD(Default) (Default)<br>256GB SSD (Optional)<br>512GB SSD (Optional)<br>1TB (Optional)<br>2TB (Optional) | Ethernet controller | 2 x Intel® 2.5 Gigabit Ethernet Controller                                                                         |
| Security  | TPM 2.0                                                                                                          | Operating System    | Windows 11 IoT Enterprise (64 bit) (Optional)<br>Windows 11 Pro 64 bit (Optional)<br>Linux Ubuntu 24.04 (Optional) |
| WLAN      | (Optional)                                                                                                       | BT                  | (Optional)                                                                                                         |

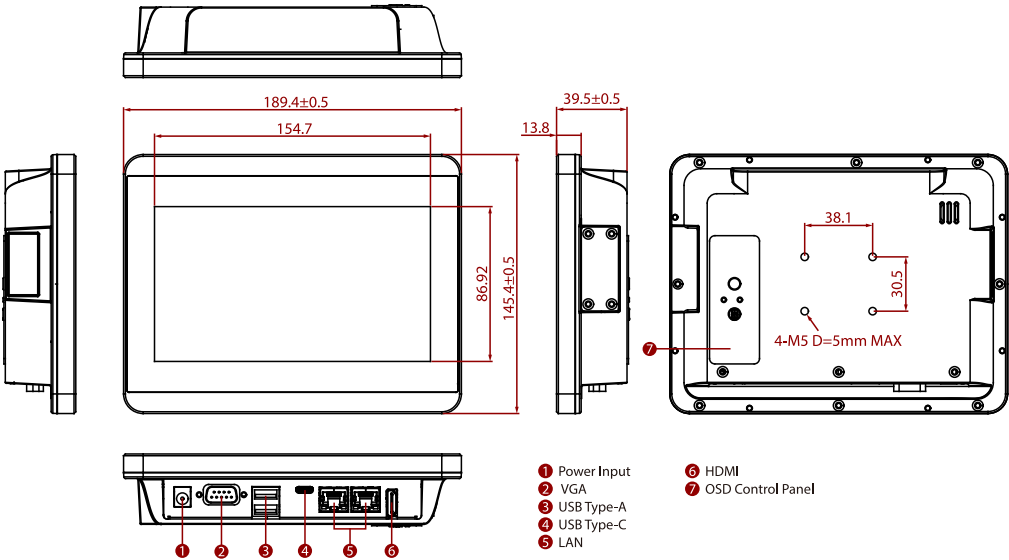
### Environment

|                     |                             |                       |                           |
|---------------------|-----------------------------|-----------------------|---------------------------|
| Operating Humidity  | 10% to 90% (Non-Condensing) | Operating Temperature | 0~50°C                    |
| Storage Temperature | -30°C~70°C                  | Shock                 | MIL-STD-810G Method 516.6 |
| Vibration           | MIL-STD-810G Method 514.6   | IP rating             | Front IP65                |

### Certification

|               |                                                                                                                                             |                |                                                           |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------|
| Certification | CE, FCC                                                                                                                                     |                |                                                           |
| IO Ports      |                                                                                                                                             |                |                                                           |
| USB Port      | 2 x USB3.2 Gen2 x 1 (Type-A)<br>1 x USB 3.2 Gen 2x1 Type C                                                                                  | Serial Port    | 1 x RS232(Default)/422/485 ((Default RS232)               |
| Video         | 1 x HDMI 2.0b, Max resolution up to 4096x2160@60Hz (Optional)<br>1 x USB Type C ,support DP Alt. mode.Max resolution up to 4096 x 2160@60Hz | Audio          | 1 x Speaker                                               |
| LAN           | 2 x 2.5 Giga LAN RJ45 Connector                                                                                                             |                |                                                           |
| Mechanical    |                                                                                                                                             |                |                                                           |
| Dimension     | 189.4 x 145.4 x 39.8mm                                                                                                                      | Mounting       | VESA mount (Default)<br>Front IP65 Panel mount (Optional) |
| Enclosure     | Metal Housing with Aluminum Bezel                                                                                                           | Cooling System | Fanless Design                                            |
| Accessory     |                                                                                                                                             |                |                                                           |
| Accessory     | User Manual(Hardcopy)<br>AC Adapter<br>Power Cable                                                                                          |                |                                                           |
| Power         |                                                                                                                                             |                |                                                           |
| Power Rating  | 12V DC in                                                                                                                                   |                |                                                           |
| Control       |                                                                                                                                             |                |                                                           |
| Button        | 1 x Power Button<br>1 x Reset Button                                                                                                        |                |                                                           |

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.
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