

# W22L100-67B2-P(HB)

21.5" G-WIN IP67 Series P-CAP Display



CE

FC



## KEY FEATURES

- High Quality 21.5" Panel, 1920 x 1080 resolution, 1000 nits
- P-cap multi touch screen Optical Bonding with Panel to increase the clarity and transparency
- Optional Anti-Reflective Protection Glass Optical Bonding with Panel
- Dust/ Water proof design with VESA mount Full IP67 Monitor
- Aluminum Die-Casting Housing with Anti-Corrosion Treatments
- Build in ambient Light sensor
- -10 to 55°C wide operating temperature
- Wide Range 9 to 36V DC Input with isolation. Optional for Ignition On/Off delay

## INTRODUCTION

Winmate G-WIN IP67 Display (Vehicle Mount) Series offers rugged, high-performance displays designed for demanding vehicle environments. Available in sizes from 15" to 21.5", these displays feature full IP67-rated dust and water protection, anti-corrosion aluminum die-cast housing, and optional anti-reflective optical bonding for superior clarity. With high brightness up to 1000 nits, P-cap or resistive touch options, and wide operating temperatures (-10 to 55°C), they ensure reliable performance in harsh conditions. Built-in ambient light sensors and wide-range DC input with optional ignition control make them ideal for industrial and transportation applications.

## SPECIFICATIONS

### Display

Resolution	1920x1080	Size	21.5 inches
Contrast Ratio	1000:1	Panel Brightness	1000.0 nits
Display Color	16.7M Colors	View Angles	89,89,89,89
Active Area	476.64x268.11 mm	Touch / Glass	Projected Capacitive Multi Touch Screen Bonding With Panel True Flat Protection Glass Bonding With Panel (Optional)

### Mechanical

Dimension	529.6 x 342.8 x 58 mm	Weight	8.67 kg
Mounting	VESA mount	Enclosure	Aluminum Housing Pre finish: Surtec 650, Type II, Class 3 Coating: Polyester powder coating
Cooling System	Fanless Design		

### Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-10°C to 55°C -40°C to 55°C (with intelligent heater)
Storage Temperature	-30°C to 70°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP67

## Certification

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

## IO Ports

Power Input	1 x M12 waterproof connector for 9~36V DC	USB Port	1x M12 type connector for Touchscreen via USB signal
Serial Port	1 x M12 type connector for RS232 Remote Control (Optional)	Video	1x M12 type connector for VGA input 1x Waterproof connector for HDMI input
Indicator	1 x LED Indicator for power 1 x LED Indicator for lock/unlock status		

## Control

Button	1 x "Power" key to power on the device. 1 x "+" key to increase screen brightness. 1 x "-" key to decrease screen brightness. 1 x "Menu" key can Automatically or manually adjusts brightness of the display screen 1 x Day / Night Mode button 1 x LED indicator brightness adjustment button 1 x Ambient Light sensor
--------	---

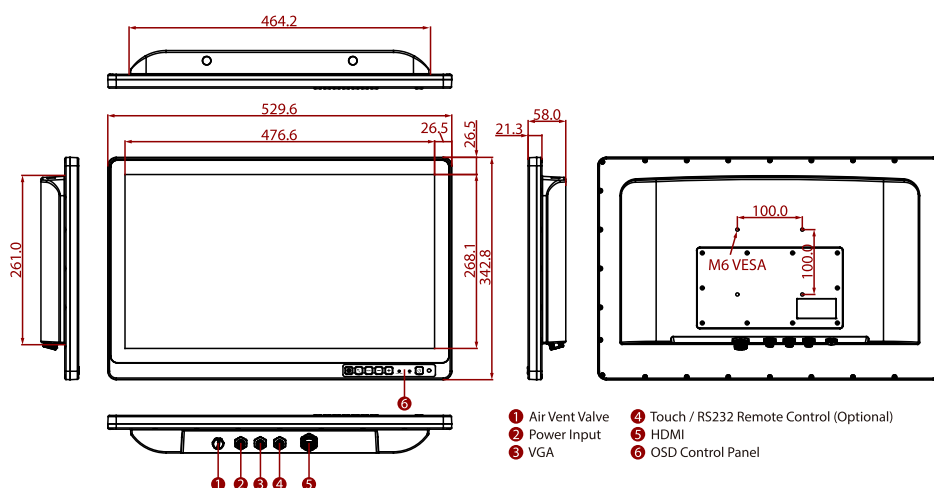
## Accessory

Accessory	External open wire Power cable with waterproof connector External USB cable with waterproof connector for Touch External VGA cable with waterproof connector External HDMI cable with waterproof connector Waterproof caps VESA screws	Optional Accessory	100~240V AC to DC 50W Adapter with power cord (Optional) External COM cable with waterproof connector (Optional)
-----------	---	--------------------	---

## Ordering Information

Option	W22L100-67B2-G(HB) for Anti Reflective Protection Glass (Optional)
--------	--

## DIMENSIONS UNIT:MM



## NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.