

R19L100-67FTP(HB)

19" G-WIN IP67 Series Display



CE

FC



KEY FEATURES

- Totally sealed Full IP67 aluminum compact housing design
- 19-inch 1280 x 1024 panel with Projected Capacitive touch screen
- -10 to 55°C wide operating temperature
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Rugged Front Anti-Impact Design
- Front control membrane keys lockable by software
- Full IP67 male connectors with external female cables

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.

OVERVIEW

EASY TO CLEAN FLAT SURFACE



Easy-to-Clean Flat Surface

Winmate's Flat aluminum display goes beyond that of the standard industrial panel computers with its elegant, edge-to-edge design. The display is easy to clean, plus the screen is resistant to water and liquid droplets.

Full IP67 Protection

The dust and waterproof display comply with IP67 standards. Plus, the M12 connectors are waterproof for varying industrial environments.

DUST AND WATER RESISTANT



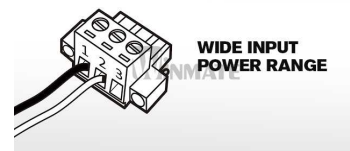


Fanless Cooling System

The fanless design eliminates dust circulation for improved product longevity – especially in heavy-duty applications where dusty conditions are prevalent.

Full Power Input Range

Since panel display and computers were not designed to be carried around, they rely on DC power via conventional external AC adapters. Winmate offers 9 to 36 Volt input power range options to fulfill a wide range of applications.



Anti-Shock and Vibration

The G-Win series is as tough as it gets. The displays are compliant with MIL-STD-810G, and the aluminum die-casting is rock solid. Plus, optical bonding technology with anti-moisture treatment and resistive coating ensure the screen and housing are both rugged to the max.

SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen Bonding With Panel	Resolution	1280x1024
Size	19.0 inches	Contrast Ratio	1000:1
Panel Brightness	1000.0 nits	Display Color	16.7M Colors
View Angles	85,85,80,80	Active Area	376.32x301.06 mm

Mechanical

Dimension	474 x 410 x 111 mm	Weight	9.8 kg
Mounting	Panel mount VESA Mount	Enclosure	Aluminum Housing
Cooling System	Fanless design	Cut out	462 x 386 mm

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-10°C to 55°C -40°C to 70°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 Touchscreen via RS232 signal (Optional)	Video	1x M12 type connector for VGA input 1x Waterproof connector for HDMI input (Optional)
Indicator	1 x LED Indicator for power 1 x LED Indicator for status		

Control

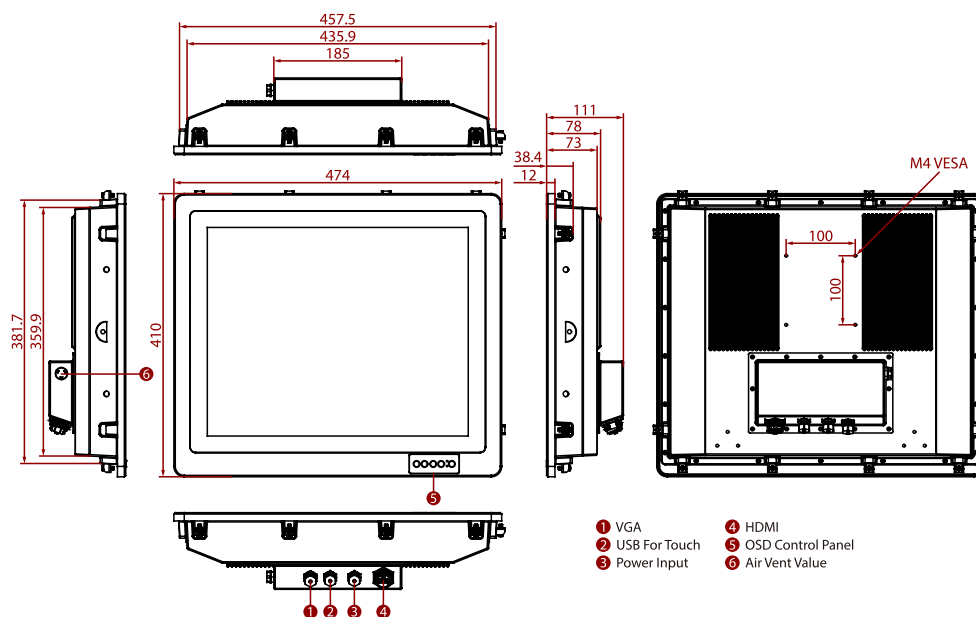
Button	1 x Power Button 1 x Adjust up button 1 x Adjust down button 1 x ESC (Auto) button 1 x OK (Menu) button
--------	---

Accessory

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

System Specification

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.