R19IT3S-67FTP(HB)

19" Intel® Core™ i5-1135G7 G-WIN Full IP67 Series Panel PC

KEY FEATURES

- Totally sealed Full IP67 Design
- High performance / low power 11th Generation (Tiger Lake) Intel® Core™ i5-1135G7 2.4GHz (turbo to 4.2GHz)
- 19-inch sunlight viewable 1000 nits LCD panel
- -10 to 55°C wide operating temperature
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Touch screen control button to enable/disable touch screen interface
- Rugged Front Anti-Impact Design
- Front controll membrane keys Lockable by software
- Optical Bonding with Panel & Touch Screen to increase the clarity and transparency

INTRODUCTION

Winmate G-WIN IP67 Series Panel PC offers robust performance and versatility for demanding industrial environments. Available in sizes from 7" to 21.5", these fully sealed panel PCs feature IP67-rated water and dustproof protection, ensuring reliability in harsh conditions. Designed with a P-cap multi-touch screen, optical bonding, and optional anti-reflective glass, they deliver exceptional clarity and usability. The anti-corrosion aluminum die-cast housing, wide operating temperature range, and support for various OS make this series ideal for outdoor, manufacturing, and vehicle-mounted applications.

OVERVIEW

An actual flat, easy-to-clean front surface with an edge-to-edge design

Winmate's Flat aluminum P-Cap panel PCs and display go beyond standard industrial panel computers with an elegant, edge-to-edge design. Easy to maintain and clean to prevent water or liquid droplets penetrates every opening in the device.

Full IP67 Protection against water and dust

Winmate G-WIN IP67 panel PC is dust and waterproof, and ideal for harsh environments.

Fanless cooling system and ultra-low power consumption
G-WIN series adopts a fanless design with passive cooling fins. Reduce noise, and power consumption, boost reliability, and extend the life cycle.

Comprehensive IO Ports
Winmate offers rugged and reliable industrial computing solutions. To meet various industrial applications, Winmate Panel PCs offer various IO interfaces.

Rugged housing with anti-shock and vibration
Winmate's G-WIN series panel PCs are designed and pass the US Defence standards environment tests. The overall construction of the G-WIN panel is inherently rugged with the aluminum die-cast housing and anti-corrosion to hold up even in exposed settings.

SPECIFICATIONS

System Specification

WLAN	Support (Optional)	BT	Support (Optional)
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	1 x M.2 2280 M-Key NVMe SSD 128GB 256GB (Optional) 512GB (Optional) 1TB (Optional) 2TB (Optional)	Ethernet controller	1 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)

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	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 (Optional)	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	1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with cover
Serial Port	1 x M12 waterproof connector for RS232	LAN	1 x waterproof Giga LAN RJ45 connector
Indicator	1 x LED Indicator for power 1 x LED Indicator for storage 1 x LED Indicator for heater 1 x LED Indicator for LAN 1 x LED Indicator for lock touch		

Control

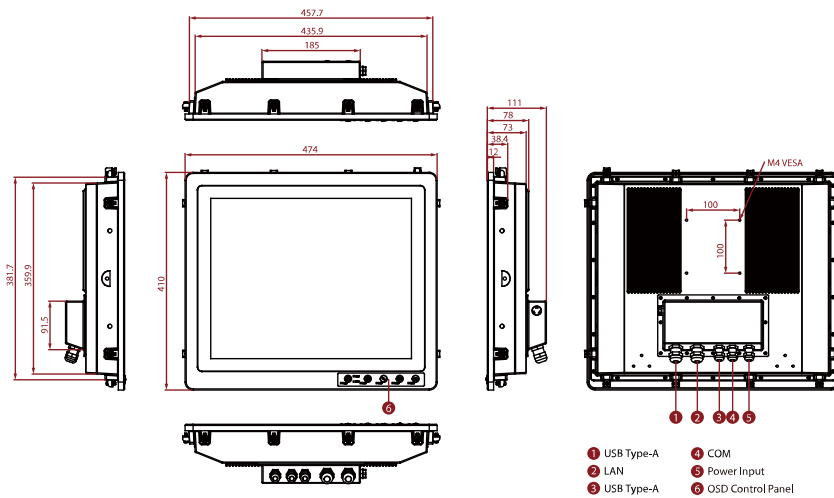|	
Button	1 x Power Button 1 x Brightness up Button 1 x Brightness down Button 1 x Button for locking touch function

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1 x Programmable function key

Accessory			
Accessory	External open wire Power cable with waterproof connector External USB cable with waterproof connector External COM cable with waterproof connector External LAN cable with waterproof connector Waterproof caps RJ45 female-female converter USB Type A converter Mounting clips VESA screws	Optional Accessory	100~240V AC to DC 120W Adapter with power cord (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. 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.

❶ USB Type-A   ❹ COM
❷ LAN   ❺ Power Input
❸ USB Type-A   ❻ OSD Control Panel

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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