R19IM3S-67FTP(HB)

19" ARM A53 G-WIN Full IP67 P-CAP Panel PC

CE
FC
IP67

KEY FEATURES

- ARM A53 Quad Core 2.0GHz
- 19-inch sunlight viewable 1000 nits LCD panel
- Optical Bonding with Panel & Touch Screen to increase the clarity and transparency
- Touch screen control button to enable/disable touch screen interface
- Front control membrane keys Lockable by software
- Dust/ Water proof design Full IP67 Panel PC
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Rugged Front Anti-Impact Design
- -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 Panel PC Series is designed to excel in demanding environments, offering a versatile range of display sizes from 7" to 21.5" and supporting both Windows and Android operating systems. Engineered for durability and performance, these Panel PCs feature advanced PCAP touch technology, optical bonding for enhanced visibility, and rugged aluminum housing. With a full IP67 rating for complete protection against water and dust, they are ideal for industrial and outdoor applications. The series also supports VESA mount solutions for flexible installation and offers optional high-brightness displays for optimal readability in bright conditions.

SPECIFICATIONS

System Specification

Processor	ARM A53 (Quad Core 2.0GHz)	**Memory**	4GB LPDDR4
Storage	eMMC: Onboard 32 GB	**Operating System**	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu Server 22.04 (Optional)
WLAN	Support (Optional)	**BT**	Support (Optional)

Display

Resolution	1280x1024	**Size**	19.0 inches
Contrast Ratio	1000:1	**Panel Brightness**	1000.0 nits
View Angles	85,85,80,80	**Type**	Projected Capacitive Multi Touch Screen Bonding With Panel

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		

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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

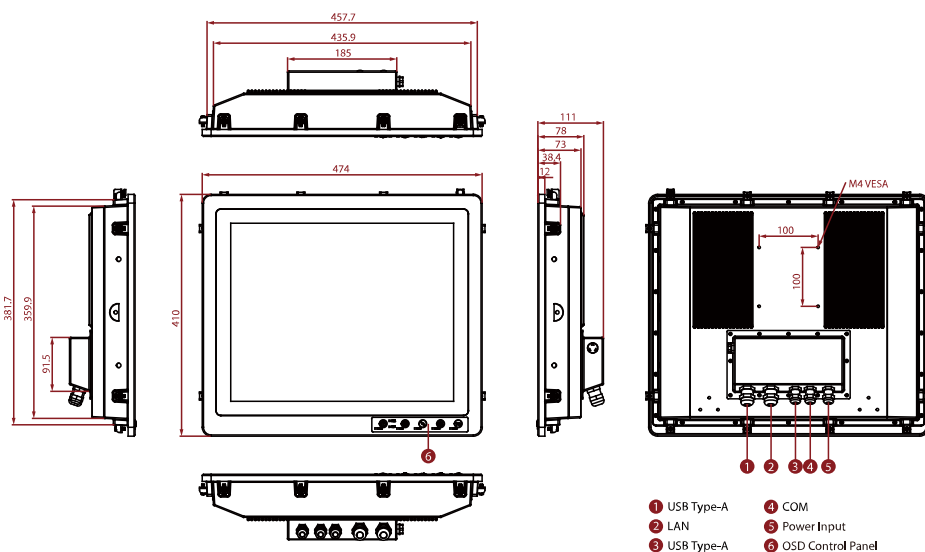|			
Power Input	1 x M12 waterproof connector for 9~36V DC	**USB Port**	1 x M12 waterproof connector for 2 x USB2.0 1 x Waterproof USB Type-A Connector with cover
Serial Port	1 x M12 waterproof connector for RS232	**LAN**	1 x waterproof Giga LAN RJ45 connector
Indicator	1 x LED Indicator for power 1 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 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

1. USB Type-A
2. LAN
3. USB Type-A
4. COM
5. Power Input
6. OSD Control Panel

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Weight of the device varies by configuration.
3. Please contact our sales representative if you need further product information.
4. All specifications are subject to change without prior notice.
5. 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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