R19IB3S-67FTP(HB)

19" Intel® Celeron® N2930 G-WIN Full IP67 Panel PC

KEY FEATURES

- Totally sealed Full IP67 Panel PC
- High performance / low power Intel® Celeron® N2930 2.16GHz Processor
- 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 clanity and transparence

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.
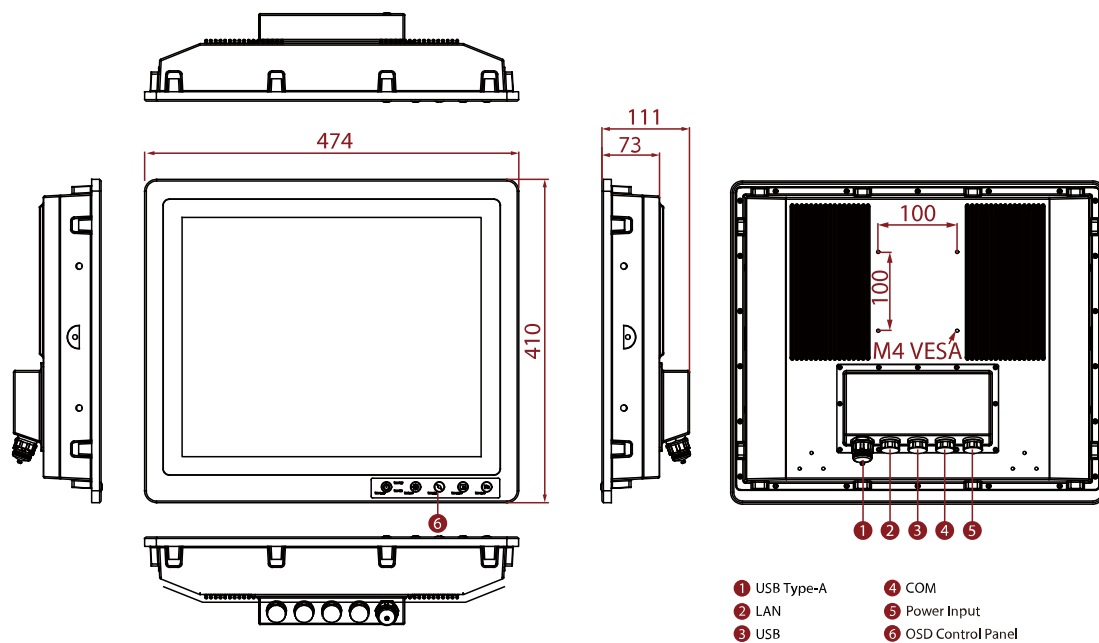
SPECIFICATIONS

System Specification

Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)

WINMATE

Storage	1 x mSATA SSD 128GB 256GB (Optional) 512GB (Optional)	**Ethernet controller**	2 x Intel® Ethernet Controller
Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 20.04 (Optional)	**WLAN**	Support (Optional)
BT	Support (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 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 84W Adapter with power cord (Optional)

DIMENSIONS UNIT:MM

WINMATE

1 USB Type-A
2 LAN
3 USB
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. Windows 10 operating system requires installing a new version of BIOS and OS image.
3. Windows 7 does not support the TPM 2.0 function.
4. Please contact our sales representative if you need further product information.
5. All specifications are subject to change without prior notice.
6. 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.