R19IB3S-67FTP(HB)
19" G-WIN Full IP67 Series Panel PC

KEY FEATURES

- -10 to 60°C operating temperature
- Anti-scratch 19-inch sunlight viewable 400 nits LCD panel (Optional for 1000 nits High Brightness)
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Front controll membrane keys Lockable by software
- High performance / low power Intel® Celeron® N2930 2.16GHz Processor
- Optical Bonding with Panel & Touch Screen to increase the clanity and transparence
- Rugged Front Anti-Impact Design
- Totally sealed Full IP67 Design
- Touch screen control button to enable/disable touch screen interface
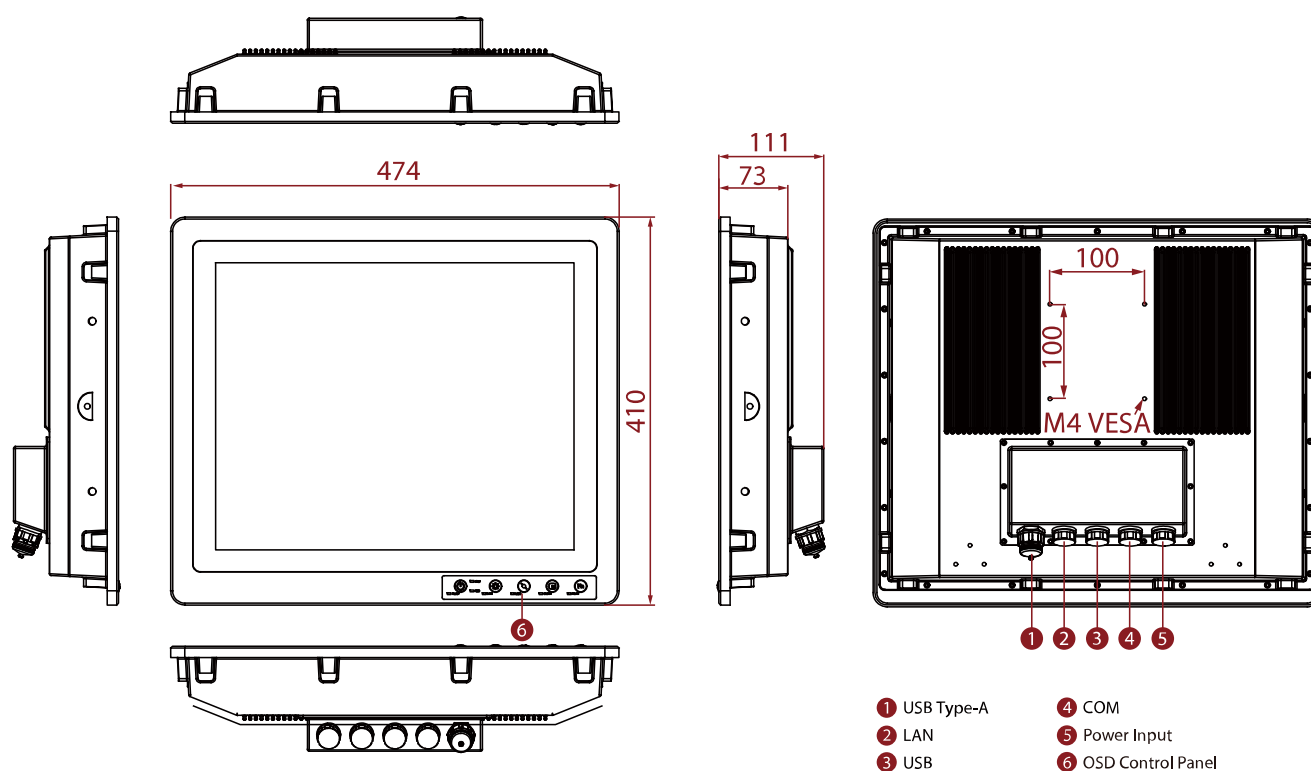
CE FC

SPECIFICATIONS

System Specification

Processor	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)	**Memory**	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB(Optional)
Storage	1 x mSATA SSD 64GB. mSATA SSD up to 512GB.(Optional)	**Expansion**	1 x mPCIe slot(for half size Wifi module) 1 x mPCIe slot(for SSD)
Ethernet controller	2 x Intel® Ethernet Controller I210-AT	**Security**	TPM 2.0
Operating System	Windows 7 Embedded Systems(Optional) Windows 10 IoT Enterprise(Optional) Linux Ubuntu 18.04(Optional)	**WLAN**	802.11 a/b/g/n/ac(Optional)
BT	BT Support(Optional)		

Display

Resolution	1280x1024	**Size**	19.0 inches
Contrast Ratio	1000:1	**Panel Brightness**	1000 nits
View Angles	85,85,80,80	**Type**	Projected Capacitive Multi Touch Screen Bonding With Panel
Optional function	High brightness Panel for sunlight readable(Optional)		

Mechanical

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

Environment

Operating Humidity	10% to 90% (non-condensing)	**Operating Temperature**	-15~55°C
Storage Temperature	-30~70°C	**Shock**	30g for 18ms, 300m/s²
Vibration	1.60/1.96/2.18 g rms for XYZ / 5-500Hz	**IP rating**	IP67

Certification

Certification	CE, FCC Class B MIL810F/ IEC60068-2-27 for

Vibration /Shock

IO Ports

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 Driver CD & Manual Mounting clips VESA screws	Optional Accessory	100~240V AC to DC Adapter with power cord

DIMENSIONS UNIT:MM

① USB Type-A   ④ COM
② LAN   ⑤ Power Input
③ USB   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.