

R12IB3S-GCM2(HB)

12.1" Intel® Celeron® N2930 G-WIN GC-Series Front IP65 PCAP Panel PC



KEY FEATURES

- 12.1" 1024 x 768 with P-CAP touchscreen
- Low power consumption with Intel® Celeron® N2930
- Fanless cooling system and ultra low power consumption
- Front IP65 for protection against water and dust
- A true flat, easy-to-clean front surface with edge-to-edge design
- Plenty of I/O, including 2 x LAN, 1 x COM, 1 x USB 3.0, 1 x USB 2.0, 1 x HDMI

INTRODUCTION

Winmate G-WIN GC Series Panel PC Series offers advanced performance and flexibility, with sizes ranging from 7" to 24" and support for various operating systems, including Windows and Android. Designed with a fanless cooling system and ultra-low power consumption, these panel PCs feature a front IP65-rated edge-to-edge flat design for water and dust resistance and easy cleaning. With versatile I/O options, including USB, HDMI, and RS232/422/485, these robust devices are ideal for industrial automation, kiosks, and control systems, ensuring reliability in harsh environments.

SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen	Resolution	1024x768
Size	12.1 inches	Contrast Ratio	1000:1
Panel Brightness	500 (Default) nits 1000 nits(Optional)	View Angles	89, 89, 89, 89
Active Area	245.76x184.32 mm		

System Specification

Processor	Intel Celeron N2930 1.83GHz (up to 2.16GHz)	Memory	4GB(Default) (Default) 8GB (Optional)
Storage	128GB (Default) 256GB (Optional) 512GB (Optional)	Ethernet controller	2 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)

Environment

Operating Humidity	10% to 90% (Non-Condensing)	Operating Temperature	0~50°C
Storage Temperature	-30°C~70°C	Shock	MIL-STD-810G Method 516.6
Vibration	MIL-STD-810G Method 514.6	IP rating	Front IP65

Certification

Certification	CE, FCC
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IO Ports

USB Port	1 x USB2.0 1 x USB3.0	Serial Port	1 x RS232(Default)/422/485
Video	1 x HDMI (Optional)	Audio	2 x Speaker
LAN	2 x RJ45		

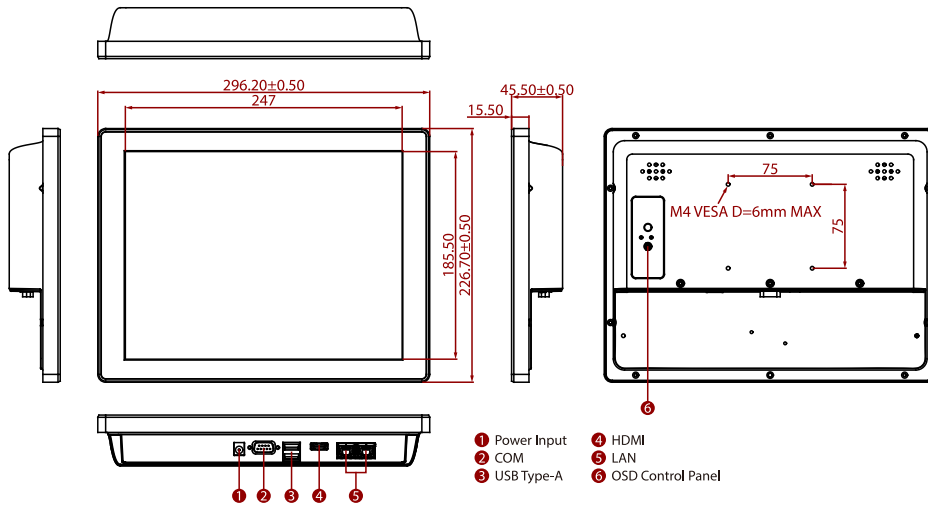
Mechanical			
Dimension	296.2 x 226.7 x 45.5 mm	Mounting	VESA mount (Default) Front IP65 Panel mount (Optional)
Enclosure	Aluminum	Cooling System	Fanless Design

Accessory			
Accessory	Quick Start Guide(Hardcopy) AC Adapter Power Cable		

Power			
Power Rating	12V DC input (Default) 9~36V DC input (Optional)		

Control			
Button	1 x Power Button 1 x Reset Button		

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.