

R12IAD3S-GCM2(HB)

12.1" Intel® Core™ i5-1235U Standalone Panel PC HMI



KEY FEATURES

- 12.1" 1024 x 768 with P-CAP touchscreen
- 12th Gen Intel® Core™ i5-1235U processor
- 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 2.5 Giga LAN, 1 x COM, 2 x USB 3.2 Gen2x1

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® Core™ i5-1235U 3.3GHz(up to 4.40 GHz)	Memory	8GB(Default) (Default) 16GB (Optional) 32GB (Optional)
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (Optional) 4TB 1 x SATA III for 2.5" SSD/HDD up to 2TB (Optional)	Ethernet controller	2 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)

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	Front IP65

Certification

Certification CE, FCC

IO Ports

USB Port	2 x USB3.2 Gen2x1 (Type-A)	Serial Port	1 x RS232/422/485 (Default RS232) (Default) 1 x RS232 (Optional)
Video	1 x HDMI 2.0 (Optional)	Audio	2 x Speaker
LAN	2 x 2.5 Giga LAN RJ45 Connector		

Mechanical

Dimension	296.2 x 226.7 x 47.5 mm	Mounting	VESA mount Panel mount
Enclosure	Metal	Cooling System	Fanless Design

Accessory

Accessory Quick Start Guide(Hardcopy)
AC Adapter
Power Cable

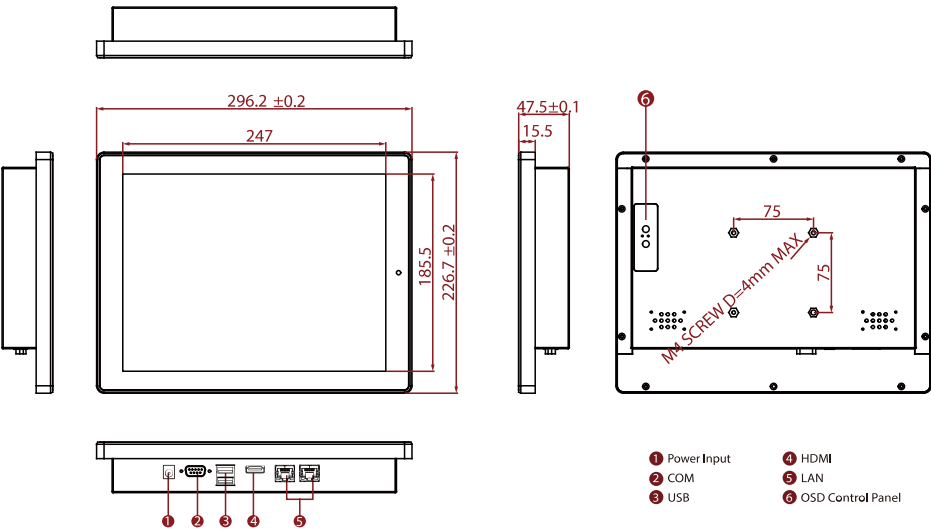
Power

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.