

R19IAN3S-GCM1

19" G-WIN GC-Series Front IP65 PCAP Panel PC with Intel® Processor N150



KEY FEATURES

- 19-inch 1280 x 1024 with P-CAP touchscreen
- Low power consumption with Intel® Processor N150
- Fanless cooling system design
- 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 2.5GbE LAN, 1 x COM, 2 x USB 3.2 Gen 2 x1, 1 x HDMI

INTRODUCTION

The Winmate R19IAN3S-GCM1 is a 19-inch industrial fanless panel PC that utilizes a low-power Intel® Processor N150 to deliver reliable performance in demanding environments. It features an IP65-rated, true-flat P-CAP touchscreen with an edge-to-edge design, ensuring excellent protection against dust and water while remaining easy to clean and maintain. Equipped with comprehensive I/O connectivity—including dual 2.5GbE LAN, USB 3.2, and HDMI—this rugged device provides seamless integration for industrial automation and Human-Machine Interface (HMI) applications.

SPECIFICATIONS

Display

Resolution	1280x1024	Size	19.0 inches
Contrast Ratio	1000:1	Panel Brightness	250.0 nits
View Angles	85,85,80,80	Active Area	376.32x301.06 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		

System Specification

Processor	Intel® Processor N150 6M Cache, up to 3.6 GHz	Memory	8GB(Default) (Default) 16GB (Optional)
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 24.04 (Optional)
WLAN	(Optional)	BT	(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

IO Ports

USB Port	2 x USB3.2 Gen2 x 1 (Type-A) 1 x USB 3.2 Gen 2x1 Type C	Serial Port	1 x RS232(Default)/422/485 ((Default RS232)
Video	1 x HDMI 2.0b, Max resolution up to 4096x2160@60Hz (Optional) 1 x USB Type C ,support DP Alt. mode.Max resolution up to 4096 x 2160@60Hz	LAN	2 x 2.5 Giga LAN RJ45 Connector

Mechanical

Dimension	445 x 370 x 51 mm	Mounting	VESA mount
Enclosure	Metal Housing with Plastic Bezel	Cooling System	Fanless Design

Accessory

Accessory User Manual(Hardcopy)
AC Adapter
Power Cable

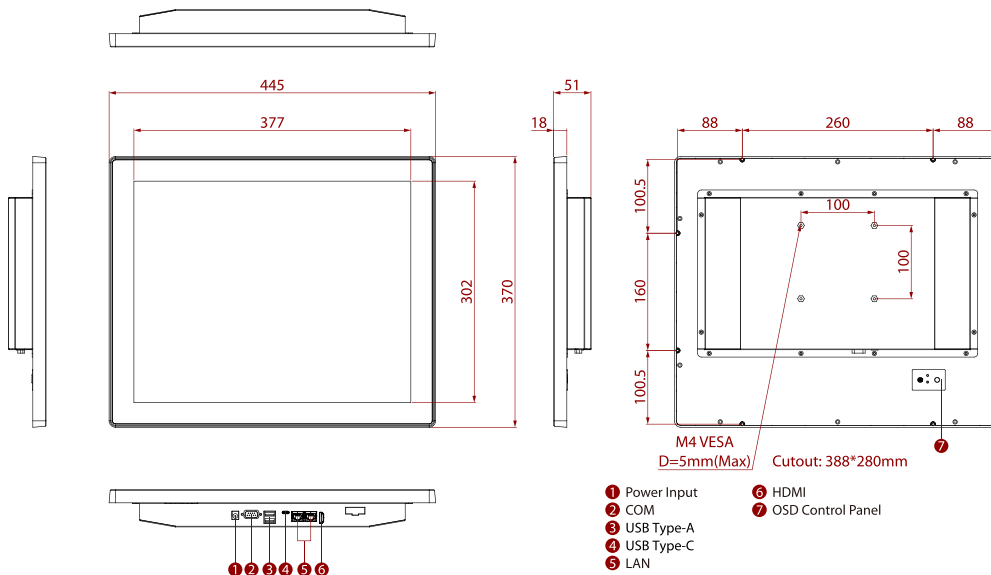
Control

Button 1 x Power Button
1 x Reset Button

Power

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

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.