

R15IAN3S-GCC3(HB)

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



KEY FEATURES

- 15-inch 1024 x 768 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 R15IAN3S-GCC3(HB) is a 15-inch industrial fanless panel PC that leverages a low-power Intel® Processor N150 to deliver stable and reliable performance in demanding environments. It features a true flat, edge-to-edge PCAP touchscreen with an IP65-rated front panel, ensuring excellent protection against dust and water while remaining easy to clean. Equipped with comprehensive I/O connectivity—including dual 2.5GbE LAN, USB 3.2, and HDMI—this rugged device serves as an ideal Human-Machine Interface (HMI) solution for seamless integration into industrial automation systems.

SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen (Default) Anti-glare Coating (Optional)	Resolution	1024x768
Size	15.0 inches	Contrast Ratio	2000:1
Panel Brightness	300 (Default) nits 1000 nits(Optional)	View Angles	88,88,88,88
Active Area	304.1x228.1 mm		

System Specification

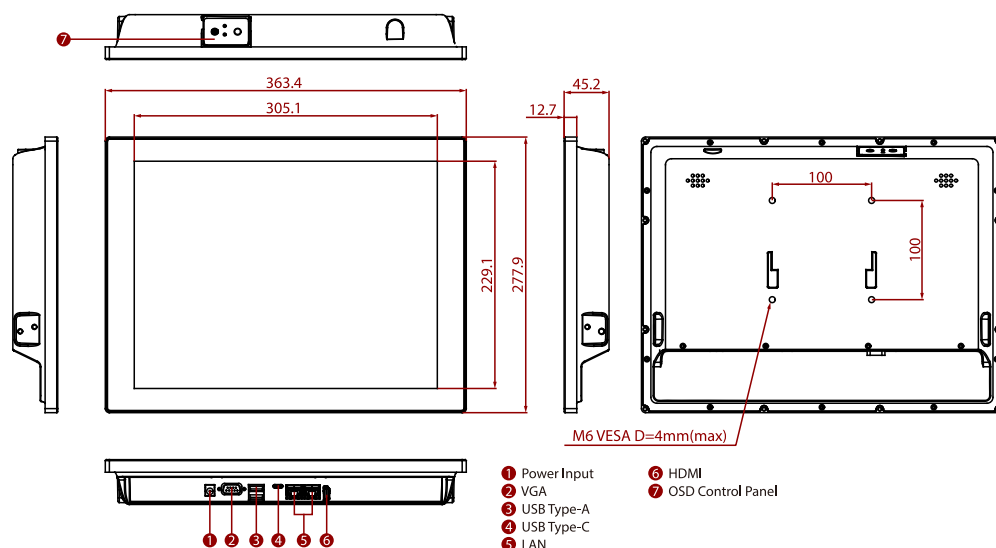
Processor	Intel® Processor N150 6M Cache, up to 3.6 GHz	Memory	8GB(Default) (Default) 16GB (Optional)
Storage	128GB SSD(Default) (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB (Optional) 2TB (Optional) 4TB (Optional)	Ethernet controller	2 x Intel® 2.5 Gigabit Ethernet Controller
Security	TPM 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	Audio	2 x Speaker
LAN	2 x 2.5 Giga LAN RJ45 Connector		
Mechanical			
Dimension	363.4 x 277.9 x 45.2 mm	Mounting	VESA mount
Enclosure	Aluminum	Cooling System	Fanless Design
Accessory			
Accessory	User Manual(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.