

# W10MG3S-PCH2LB-PoE

10.1" S Series HMI Panel PC with ARM A78 + A55 Processor



## KEY FEATURES

- 10.1" 1280 x 800 Resolution with Projected Capacitive Multi-Touch (PCAP)
- ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz
- Supports PoE function
- All-around LED status light bar
- Optional HF RFID Reader
- Stylish design for room booking, access control and room information applications
- Support Android or Linux operating system

## INTRODUCTION

Winmate S Series HMI is a versatile and robust solution for industrial automation and control applications, offering display sizes from 7" to 15". With PoE functionality and multi-OS support for Windows, Android, and Linux, it ensures seamless integration into various systems. Featuring PCAP touch and an all-around LED light bar, it enhances usability and visibility. Built with a front IP65 rating for water and dust resistance, it is ideal for harsh environments. Optional HF RFID integration adds convenience for secure access control, making the S Series HMI a reliable choice for smart and connected industries.

## OVERVIEW



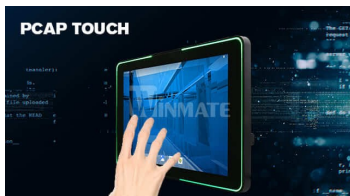
### All-in-One Connectivity with Power over Ethernet (PoE)

Winmate S Series HMI supports Power over Ethernet (PoE), which combines data and power transmission into a single cable. By reducing cable clutter, PoE not only simplifies device connectivity but also supports centralized power management. This efficient infrastructure makes it an ideal solution for access control systems and both home and industrial automation, offering cost savings and enhanced convenience.

### Slim, Modern Design for Any Space

The Winmate S Series HMI blends style and functionality with a profile 35% thinner than typical Panel PCs. Its flat, edge-free surface not only elevates the look of your space but also makes cleaning effortless, perfect for industries like retail or public-facing environments where aesthetics matter.



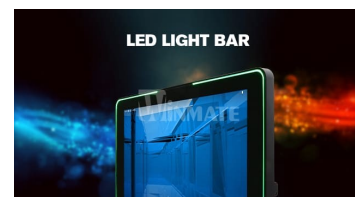


### Intuitive Multi-Touch Display

The responsive P-CAP touch screen offers an interactive experience with smooth, scratch-resistant glass. Supporting 4-point multi-touch, the Winmate S Series HMI technology ensures intuitive and precise control using just your fingertips. Its robust design enhances usability while delivering a superior user experience.

### Intelligent Monitoring and Secure System Access

Winmate S Series HMI features an innovative all-around LED status light bar, offering 360° visibility for real-time process monitoring while enhancing energy efficiency by minimizing display usage. Additionally, the optional HF RFID reader with NFC technology ensures secure access, allowing only authorized personnel to operate the system.



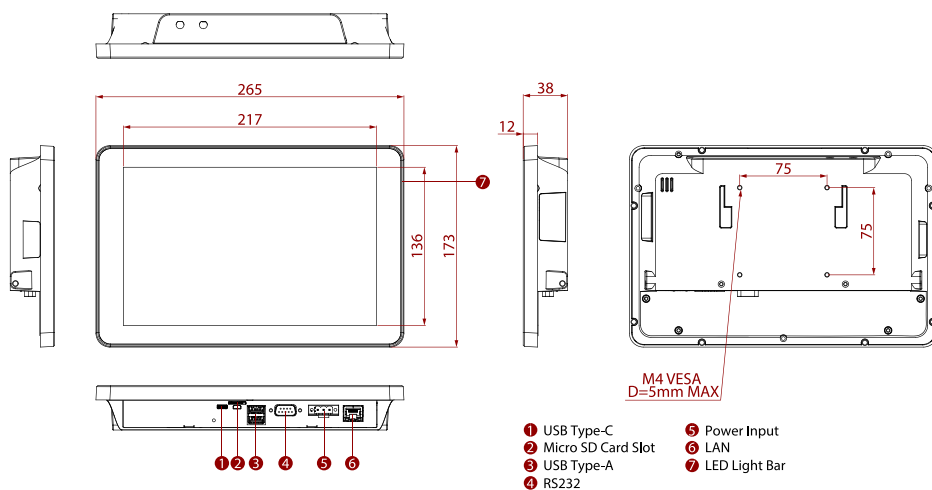
### IP65 Front Panel for Harsh Environments

Winmate S Series HMI is sealed with IP65 on the front side, safeguarding it against potential damage from external dust and water splashes. This protective feature ensures the device's resilience in challenging environments, maintaining optimal functionality and longevity.

## SPECIFICATIONS

Display			
Resolution	1280x800	Size	10.1 inches
Contrast Ratio	800:1	Panel Brightness	350.0 nits
View Angles	85,85,85,85	Active Area	216.96x135.6 mm
Touch / Glass	Projected Capacitive Multi Touch Screen		
System Specification			
WLAN	Support (Optional)	BT	Support (Optional)
RFID	HF RFID Reader 13.56 MHz (Optional)	Light Bar	Built-in All-Around RGB LED Light Bar
Processor	ARM 2 x A78 2.0GHz + 4 x A55 2.0GHz	Memory	4GB LPDDR4
Storage	Onboard 32 GB	Operating System	Android 13 Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu 22.04 (Optional)
Mechanical			
Dimension	265 x 173 x 38 mm	Weight	1.2 kg
Mounting	Panel mount VESA mount (Optional)	Enclosure	Plastic Front Bezel with Metal Back Cover
Cooling System	Fanless Design	Cut out	250x159mm
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-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	IP rating	Front IP65
Certification			
Certification	CE, FCC		
IO Ports			
USB Port	2 x USB 2.0 Type A 1 x USB 2.0 Type C (OTG)	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card slot	Video	1 x Micro HDMI Output (Optional)
Audio	1 x Speaker	LAN	1 x LAN 10/100/1000 Mbps
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord Terminal Block to 2.5Ø Female Adapter Cable Open Wire Cable with terminal block connector VESA screws		
Power			
Power Rating	12V DC with Terminal Block  9~36V (Optional)	Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)		

**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.