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 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.

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

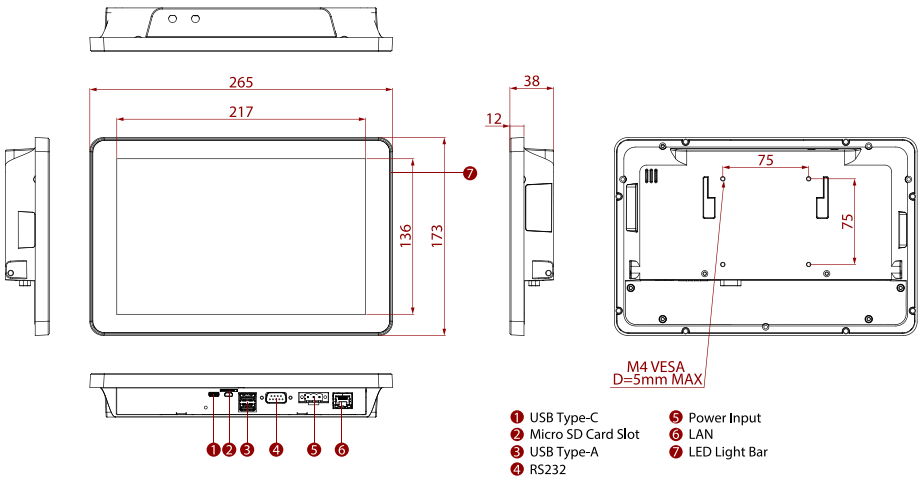
Accessory

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.