

W10IM3S-EHH2

10.1" ARM A53 E Series HMI Panel PC



CE

FCC

KEY FEATURES

- 10.1" 1280 x 800 Resolution with Projected Capacitive Multi-Touch (PCAP)
- ARM A53 Quad Core 2.0GHz CPU
- Fanless cooling system and ultra-low power consumption
- Front IP65 Water and Dust Proof
- Android 11
- Support Android or Linux operating system

INTRODUCTION

Winmate E Series HMI offers versatile and reliable solutions for industrial automation, available in sizes from 7" to 15.6". With support for various operating systems including Android and Linux, it features a PCAP multi-touch display, front IP65 water and dust protection, and a fanless cooling system for ultra-low power consumption. Designed for quick and hassle-free setup, the HMI includes mounting clips for panel installation. Its robust design also provides multiple I/O ports and resolutions up to 1920x1080, making it ideal for manufacturing, logistics, and smart factory applications.

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

Processor	ARM A53 (Quad Core 2.0GHz)	Memory	4GB LPDDR4
Storage	eMMC: Onboard 32 GB	Operating System	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu Server 22.04 (Optional)

Mechanical

Dimension	267 x 182 x 56.5 mm	Weight	1.5 kg
Mounting	Panel mount VESA mount	Enclosure	Metal Front Bezel with Plastic Back Cover
Cooling System	Fanless Design	Cut out	244x159mm

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
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IO Ports

USB Port	2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)	Video	1 x Micro HDMI Output (Optional)
LAN	1 x LAN 10/100/1000 Mbps PoE(PD, 802.3at) (Optional)		

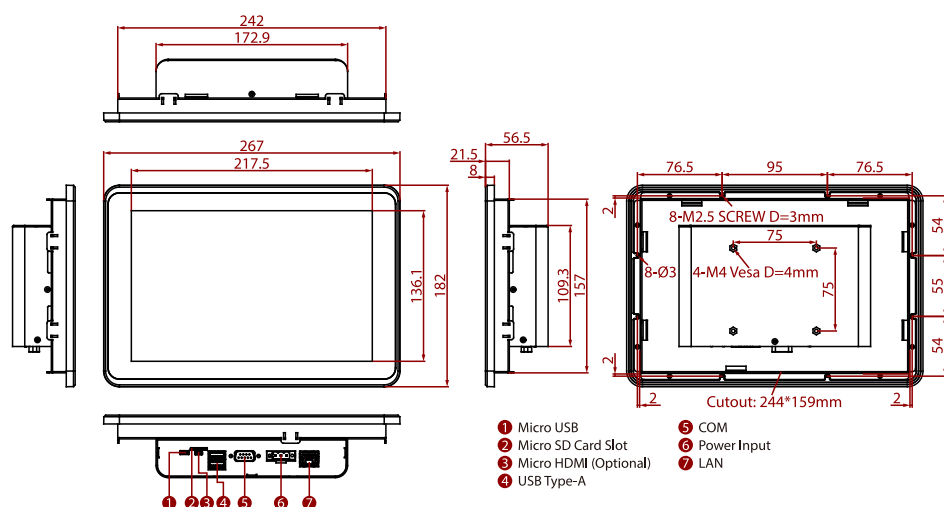
Accessory

Accessory	100~240V AC to DC Adapter Power Cord VESA screws Mounting clips
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Power

Power Rating	12V DC with Terminal Block	Adapter	12V 50W
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DIMENSIONS UNIT:MM



NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. 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.
3. All specifications are subject to change without prior notice.