

# W15IM3S-ELA2

15.6" ARM A53 EL Series HMI Panel PC



CE

FC

## KEY FEATURES

- Features a 15.6" display with a 1366 x 768 resolution and a P-Cap multi-touch screen for interactive use.
- Equipped with a MediaTek ARM A53 Quad-Core 2.0GHz CPU for enhanced processing power.
- Android 11 improves security, usability, and performance
- Features include 1 x USB, 1 x Micro USB, 1 x RS485, and 1 x RJ45 (LAN) for versatile connectivity options.
- Supports Android or Linux operating systems for flexible software options

## INTRODUCTION

Winmate EL Series HMI offers a versatile and efficient solution for industrial automation and control applications. With display sizes ranging from 4.3" to 15.6", these rectangular, wide-format HMIs feature high-resolution screens and P-Cap multi-touch technology for seamless user interaction. Powered by ARM A53 Quad-Core or NXP i.MX6 Dual-Core processors, they support Android and Linux operating systems for flexible deployment. Key features include fanless design, ultra-low power consumption, IP65-rated front panel protection, and comprehensive connectivity options, ensuring reliable performance in harsh environments.

## SPECIFICATIONS

### Display

Resolution	1366x768	Size	15.6 inches
Contrast Ratio	500:1	Panel Brightness	400.0 nits
View Angles	85,85,80,80	Active Area	344.232x195.536 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)
WLAN	Support (Optional)	BT	Support (Optional)
Graphic Card	nan		

### Mechanical

Dimension	402 x 251.3 x 53 mm	Weight	3.1 kg
Mounting	Panel mount VESA mount (Optional)	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	368.2 x 227.3 mm

### Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-20°C to 50°C
Storage Temperature	-25°C to 70°C	IP rating	Front IP65

## Certification

Certification	CE, FCC
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## IO Ports

USB Port	1 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	Serial Port	1 x RS485, 3pin Terminal block
LAN	1 x LAN RJ45 Connector	Indicator	1 x LED Indicator for storage

## Accessory

Accessory	Open Wire Cable with terminal block connector Mounting clips VESA screws	Optional Accessory	100~240V AC to DC Adapter Power Cord Terminal Block to 2.5Ø Female Adapter Cable Wi-Fi/BT Antenna
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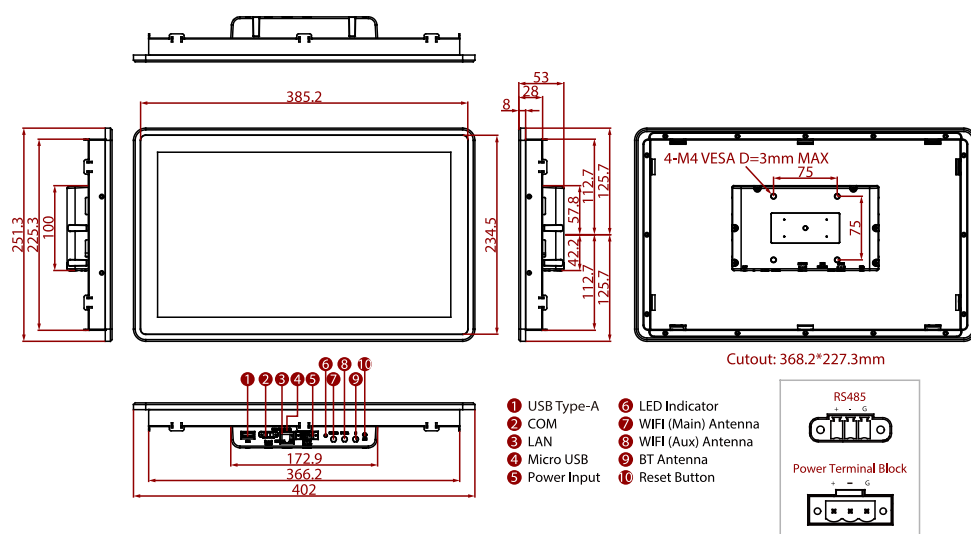
## Power

Power Rating	12V~24V with 3Pin Terminal Block	Adapter	12V 36W (Optional)
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## Control

Button	1 x Reset Button
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## 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.