

W15IM3S-PPB2

14.9" ARM A53 PP Series HMI Panel PC



KEY FEATURES

- 14.9" 1920 x 720 panel with projected capacitive multitouch screen
- ARM A53 Quad Core 2.0GHz CPU
- Front IP65 water and dust proof
- Aluminum housing and fanless design
- Room booking schedule, access control, room information display
- Support Android or Linux operating system

INTRODUCTION

Winmate PP Series HMI offers a sleek and modern solution for industrial automation and control applications, featuring sizes from 7" to 27" with optional high-brightness displays up to 1000 nits for enhanced visibility. Designed with a flat, slim aluminum housing, these fanless HMI Panel PCs include a PCAP multi-touch screen, multiple I/O interfaces, and support for DP/HDMI/LVDS/eDP. The front IP65-rated water and dust protection ensure durability in harsh environments, making them ideal for industrial control, room scheduling, and interactive displays.

SPECIFICATIONS

Display			
Type	Projected Capacitive Multi Touch	Resolution	1920x720
Size	14.9 inches	Contrast Ratio	1000:1
Panel Brightness	950.0 nits	View Angles	85,85,85,85
Active Area	355.68×133.38 mm		
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)
Mechanical			
Dimension	400.2 x 187.6 x 59 mm	Mounting	Panel mount VESA mount
Enclosure	Metal Housing	Cooling System	Fanless Design
Cut out	378.1x164.6mm		
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)
Audio	2 x Speaker (Optional)	LAN	1 x LAN 10/100/1000 Mbps

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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Control

Button	1 x Power Button (Optional)
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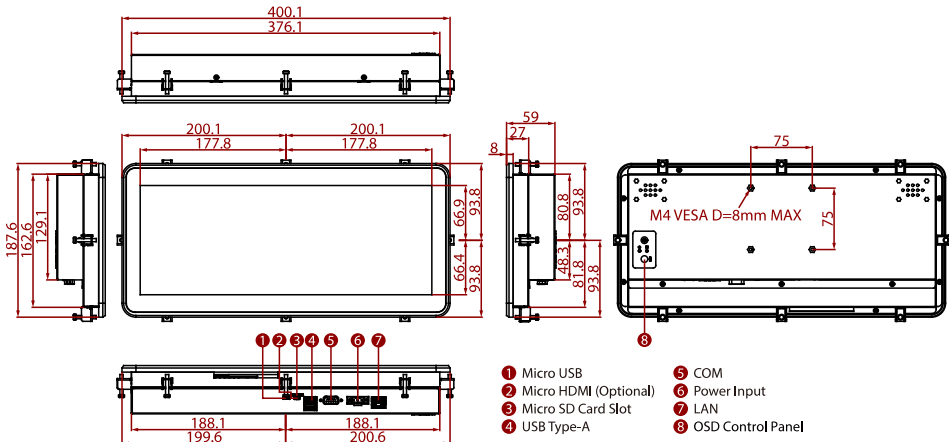
Power

Power Rating	12V DC with Terminal Block	Adapter	12V 50W
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Accessory

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