

R12IM3S-PCM2AC-POE

12.1" ARM A53 S Series HMI Panel PC



KEY FEATURES

- 12.1" 1024 x 768 TFT LCD with Projected Capacitive Multi-Touch (PCAP)
- Fanless cooling system and ultralow power consumption
- Support PoE function
- Optional HF RFID Reader
- Stylish design for room booking, access control, and room information applications
- Front IP65 Water and Dust Proof
- Built-in RGB LED Light Bar Indicator
- Support Android or Linux operating system

INTRODUCTION

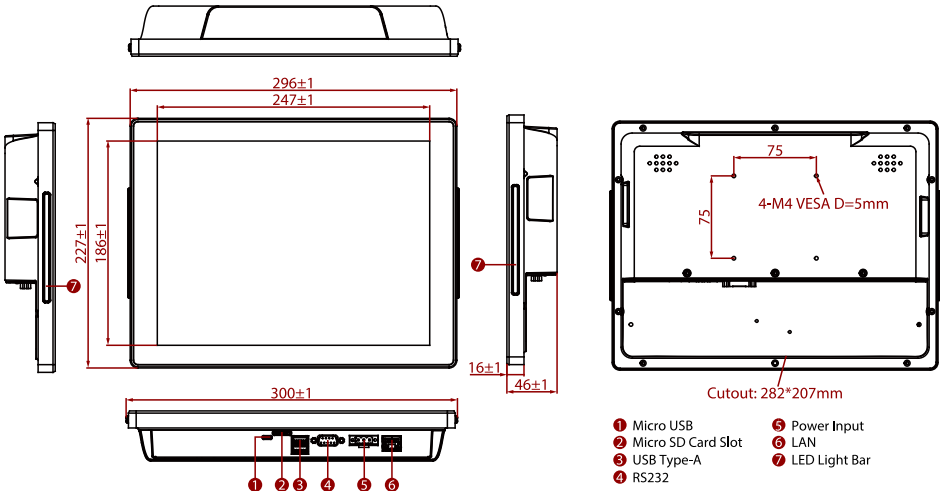
Winmate S-Series HMI offers a stylish and versatile solution for modern automation and control applications. Available in sizes from 7" to 15", this wide rectangular Panel PC supports Power over Ethernet, multiple processors, and operating systems like Android. With optional HF RFID reader and built-in RGB LED light bar, it is perfect for room booking, access control, and room information systems. Designed with front IP65 water and dust resistance, it delivers durability and sleek aesthetics for industrial and commercial environments.

SPECIFICATIONS

Display			
Resolution	1024x768	Size	12.1 inches
Contrast Ratio	1000:1	Panel Brightness	500.0 nits
View Angles	89,89,89,89	Active Area	245.76x184.32 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 RGB LED Status Light Bar, on both sides
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	296 x 227 x 46 mm	Weight	3.4 kg
Mounting	VESA Mount	Enclosure	Metal Housing
Cooling System	Fanless Design	Cut out	282x207mm
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 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	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. 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.