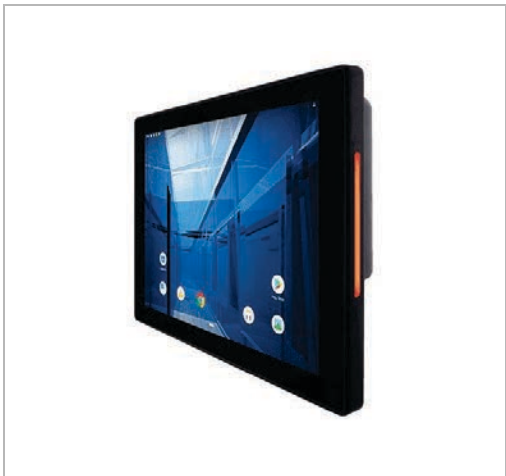


# R12IM3S-PCM2AC-POE

## 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



### OVERVIEW



#### Power over Ethernet (Data and Power connections in a single cable)

The hardware installation becomes easier with Power over Ethernet. PoE reduces the number of cables needed for the connection of various devices. This infrastructure allows for centralized power management; therefore, it is a cost-effective solution for access control, home, and industrial automation.



#### Stylish Design

Winmate's S-series HMI is 35% thinner than a traditional Panel PC. With the slim design, it has an aesthetically pleasing look that fits modern interiors and exteriors. Its true flat surface is not only for a stylish look but easy to maintain and clean. No more clogged dust on the edges.



#### P-Cap Touch (Resistant to scratches)

The glass cover lens provides great protection from scratches. P-Cap Touch supports 4-point multi-touch and can easily be controlled by fingers. This technology allows enjoying every touch and improving the convenience of using the device. Thus, it helps to enhance the overall customer experience.



#### LED Light Bar (Indicates the status of the machine or process afar) and HF RFID/NFC (Limited Access Control)

LED Light Bar is designed to control the status of the running processes afar, yet saving energy by keeping a display turned off. The settings are easily programmable according to your preferences. Choose one of the four colors - red, green, blue, or orange to send valuable messages based on your settings. Also, HF RFID/NFC helps to limit the access to only the personnel in charge. Greater control for security purposes is now available with S-Series HMI.



#### Front IP65 (Water and Dust Proof)

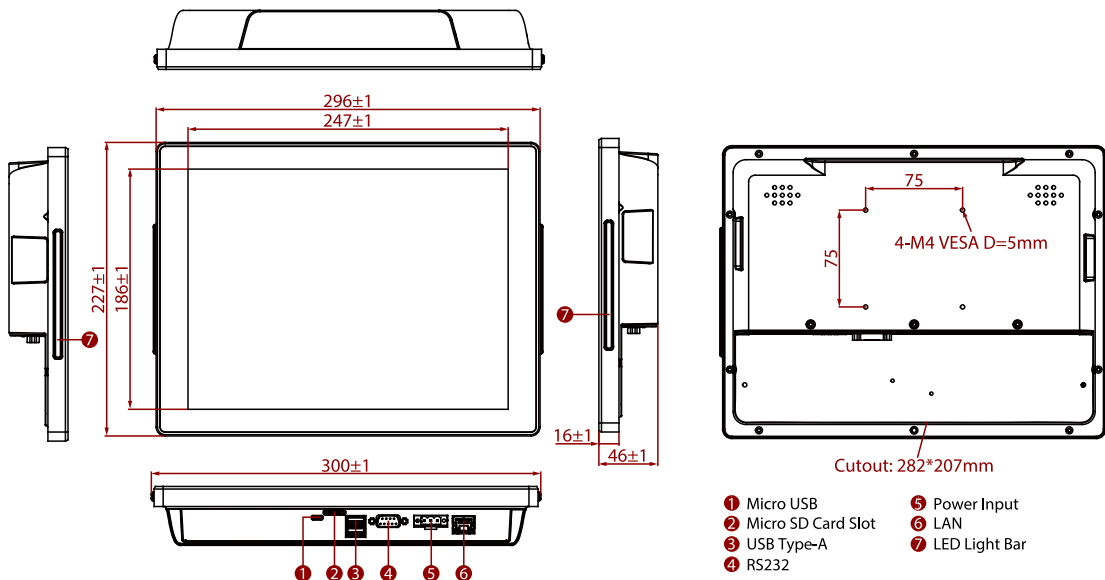
Don't worry whether somebody split the coffee over S-Series HMI, or if the raindrops reach the device! This HMI is sealed with IP65 on the front side and is protected against possible damages from outer dust and water splash.

### 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-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 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 Manual 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.