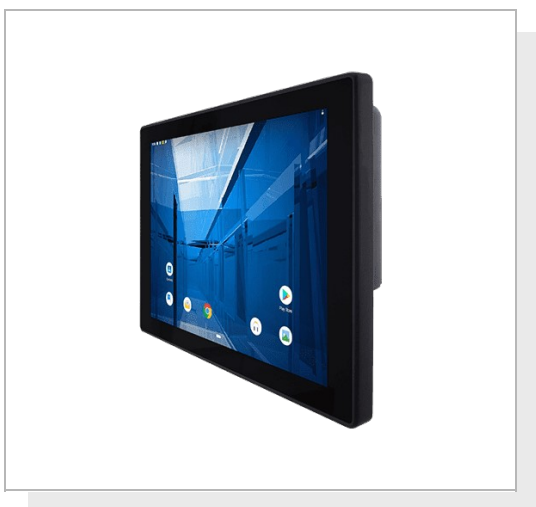


# R12IM3S-PCM2-POE

## 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
- Support Android or Linux operating system



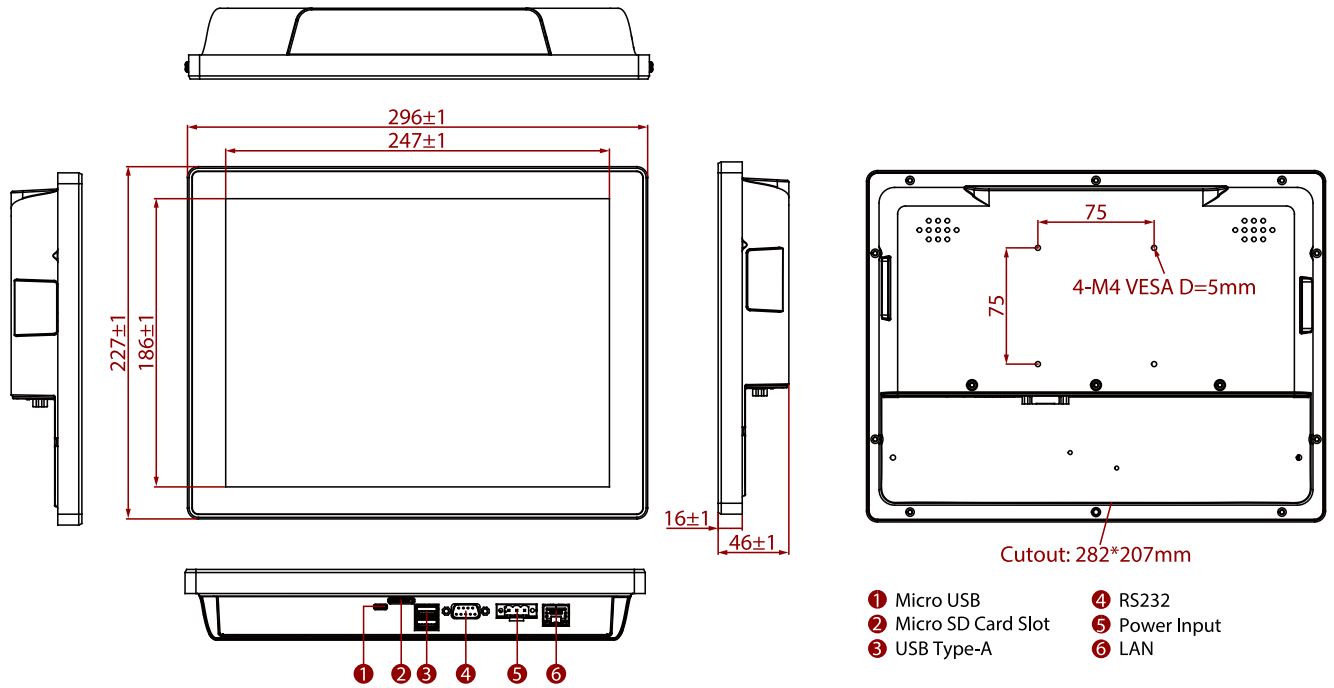
### SPECIFICATIONS

Display			
<b>Resolution</b>	1024x768	<b>Size</b>	12.1 inches
<b>Contrast Ratio</b>	1000:1	<b>Panel Brightness</b>	500 nits
<b>View Angles</b>	89,89,89,89	<b>Active Area</b>	245.76 x 184.32 mm
<b>Touch / Glass</b>	Projected Capacitive Multi Touch Screen		
System Specification			
<b>WLAN</b>	Support (Optional)	<b>BT</b>	Support (Optional)
<b>RFID</b>	HF RFID Reader 13.56 MHz (Optional)	<b>Processor</b>	ARM A53 Quad Core 2.0GHz
<b>Memory</b>	4GB LPDDR4	<b>Storage</b>	32GB eMMC
<b>Operating System</b>	Android 11 (Upgradeable to Android 13) Linux Yocto 5.10.104 with QT 5.15 (Optional) Linux Ubuntu (in 2023) (Optional)		
Mechanical			
<b>Dimension</b>	296 x 227 x 46 mm	<b>Mounting</b>	Panel Mount VESA Mount
<b>Enclosure</b>	Aluminum	<b>Cooling System</b>	Fanless design
<b>Cut out</b>	282x207 mm		
Environment			
<b>Operating Humidity</b>	10% to 90% (noncondensing)	<b>Operating Temperature</b>	0~50°C
<b>Storage Temperature</b>	-20~60°C	<b>Shock</b>	MIL-STD-810G Method 516.6
<b>Vibration</b>	MIL-STD-810G Method 514.6	<b>IP rating</b>	Front IP65
Certification			
<b>Certification</b>	CE, FCC		
IO Ports			
<b>USB Port</b>	2 x USB 2.0 Type A 1 x Micro USB 2.0 OTG	<b>Serial Port</b>	1 x RS232/422/485 (Default RS232)
<b>SD Card Slot</b>	1 x Micro SD card slot (Max to 32GB)	<b>Video</b>	1 x Micro HDMI Output (Optional)
<b>Audio</b>	2 x Speaker	<b>LAN</b>	1 x LAN 10/100/1000 Mbps
Accessory			

<b>Accessory</b>	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
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<b>Power</b>			
<b>Power Rating</b>	12V DC with Terminal Block 9~36V (Optional)	<b>Adapter</b>	12V 50W
<b>POE</b>	PoE (PD): follows IEEE 802.3at (25 W)		

**DIMENSIONS** UNIT:MM



- ① Micro USB
- ② Micro SD Card Slot
- ③ USB Type-A
- ④ RS232
- ⑤ Power Input
- ⑥ LAN

**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.