

# R12RK3S-PCM2-POE

## 12.1" ARM A72+A53 S Series HMI Panel PC



### KEY FEATURES

- 12.1" 1024 x 768 Resolution with Projected Capacitive MultiTouch (PCAP)
- Fanless cooling system and ultralow power consumption
- Support PoE function
- Optional 2MP Front Camera
- Optional HF RFID Reader
- Stylish design for room booking, access control, and room information applications
- Front IP65 Water and Dust Proof



### 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>Processor</b>           | ARM A72 (up to 2.0 GHz) + ARM A53 (up to 1.5 GHz)                                  | <b>Memory</b>                | 2GB LPDDR3L 1600<br>4GB (Optional)                        |
| <b>Storage</b>             | Onboard 16GB eMMC<br>Onboard 32GB eMMC (Optional)<br>Micro SD Card SDHC (Optional) | <b>Operating System</b>      | Android 7.1   |
| <b>WLAN</b>                | Support (Optional)   | <b>BT</b>                    | Support (Optional)  |
| <b>RFID</b>                | HF RFID Reader 13.56 MHz (Optional)  |                              |   |
| Mechanical                 |  |                              |   |
| <b>Dimension</b>           | 296 x 227 x 46 mm  | <b>Mounting</b>              | Panel mount<br>VESA Mount                                 |
| <b>Enclosure</b>           | Metal Housing  | <b>Cooling System</b>        | Fanless design  |
| <b>Cut out</b>             | 282x207 mm   |                              |   |
| Environment                |  |                              |   |
| <b>Operating Humidity</b>  | 10% to 90% (non-condensing)  | <b>Operating Temperature</b> | 0~50°C  |
| <b>Storage Temperature</b> | -20~60°C   | <b>IP rating</b>             | Front IP65  |
| Certification              |  |                              |   |
| <b>Certification</b>       | CE, FCC  |                              |   |
| IO Ports                   |  |                              |   |
| <b>Power Input</b>         | 1 x 12V DC, 3-Pin Terminal Block   | <b>USB Port</b>              | 1 x USB3.0 (Type-A)<br>1 x USB2.0 (Type-A)<br>1 x USB OTG |
| <b>Serial Port</b>         | 1 x RS232/422/485 (Default RS232)  | <b>SD Card Slot</b>          | 1 x Micro SD card slot                                    |
| <b>Video</b>               | 1 x Micro HDMI (Optional)  | <b>Audio</b>                 | 1 x Speaker   |
| <b>Expansion Port</b>      | 2 x M.2 slot(1 for WiFi, 1 for SSD)  | <b>LAN</b>                   | 1 x LAN RJ45 Connector with PoE(PD, 802.3 at)             |

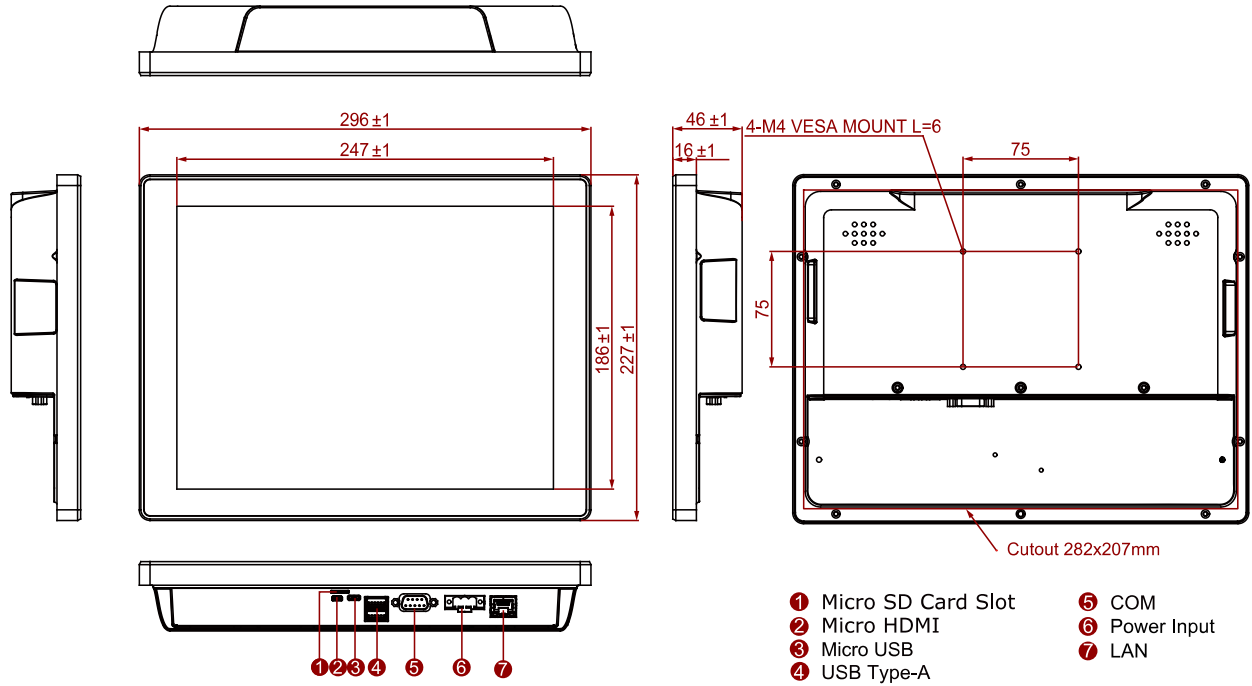
## Accessory

|                  |   |
|------------------|---|
| <b>Accessory</b> | 100~240V AC to DC Adapter<br>Power Cord<br>Terminal Block to 2.5Ø Female Adapter Cable<br>Open Wire Cable with terminal block connector<br>Manual<br>VESAs screws |
|------------------|---|

## Power

|                     |                                       |                |         |
|---------------------|---------------------------------------|----------------|---------|
| <b>Power Rating</b> | 12V DC                                | <b>Adapter</b> | 12V 50W |
| <b>POE</b>          | 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.