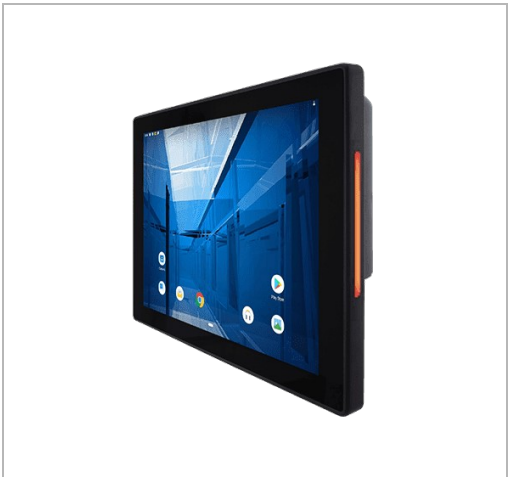


# R12MG3S-PCM2AC-POE

## 12.1" S Series HMI Panel PC with ARM A78 + A55 Processor



### KEY FEATURES

- 12.1" 1024 x 768 Resolution with Projected Capacitive Multi-Touch (P-CAP)
- Built-in RGB LED Light Bar Indicator
- 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
- Fanless cooling system and ultralow power consumption

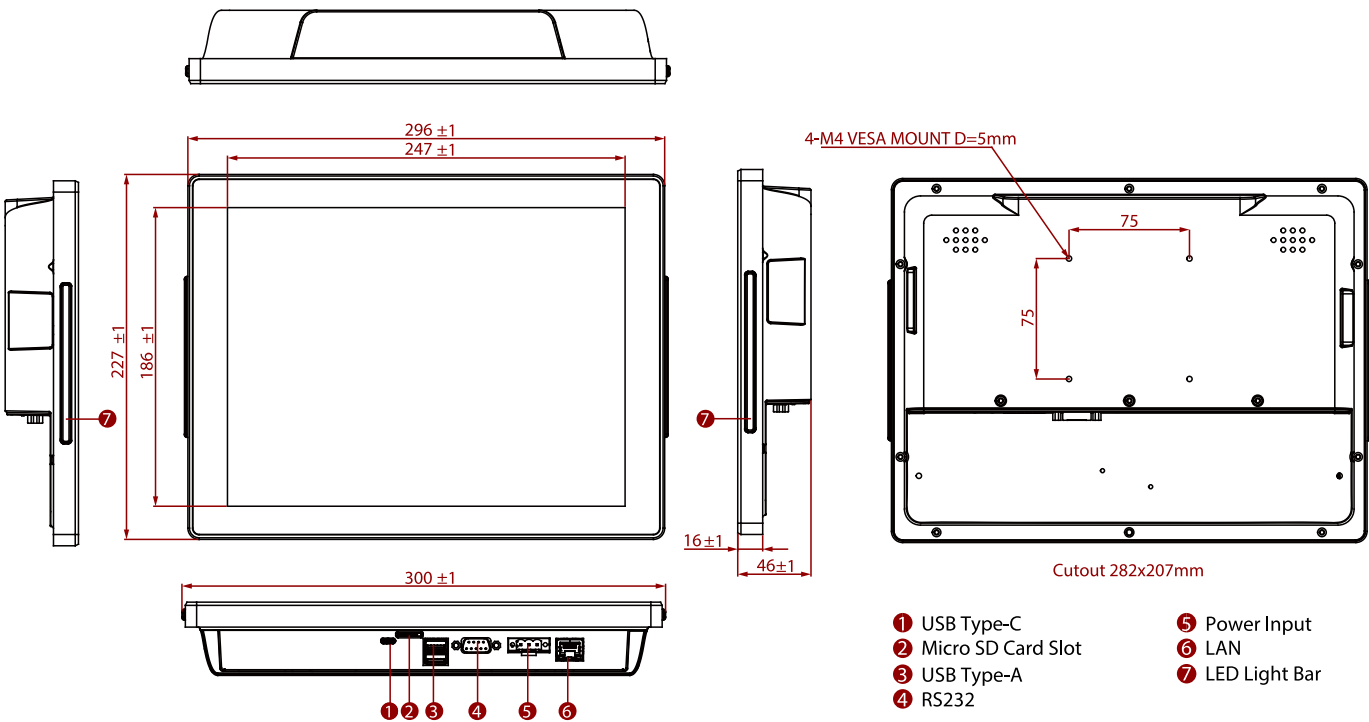


### SPECIFICATIONS

| 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 2 x A78 2.0GHz + 4 x A55 2.0GHz            | Memory                | 4GB LPDDR4                                                                                  |
| Storage              | Onboard 32 GB                                  | Operating System      | Android 13<br>Linux Yocto 5.10.104 with QT 5.15 (Optional)<br>Linux Ubuntu 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<br>1 x USB 2.0 Type C (OTG) | Serial Port           | 1 x RS232/422/485 (Default RS232)                                                           |
| SD Card Slot         | 1 x Micro SD card slot                         | 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                    | Adapter | 12V 50W |
|              | 9~36V (Optional)                              |         |         |
| 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.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.