

# W12IM3S-PPB1

## 12.3" ARM A53 PP Series HMI Panel PC



### KEY FEATURES

- 12.3" 1920 x 720 panel with projected capacitive multitouch screen
- ARM A53 Quad Core 2.0GHz CPU
- Front IP65 water and dust proof
- Aluminum housing and fanless design
- Room booking schedule, access control, room information display



### SPECIFICATIONS

| Display              |                                             |                       |                                                                                                                                |
|----------------------|---------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Touch / Glass        | Projected Capacitive Multi Touch Screen     | Resolution            | 1920x720                                                                                                                       |
| Size                 | 12.3 inches                                 | Contrast Ratio        | 1000:1                                                                                                                         |
| Panel Brightness     | 1000.0 nits                                 | View Angles           | 88,88,88,88                                                                                                                    |
| Active Area          | 292.92×110.22 mm                            |                       |                                                                                                                                |
| System Specification |                                             |                       |                                                                                                                                |
| Processor            | ARM A53 (Quad Core 2.0GHz)                  | Memory                | 4GB LPDDR4                                                                                                                     |
| Storage              | eMMC: Onboard 32 GB                         | Operating System      | Android 11 (Upgradeable to Android 13)<br>Linux Yocto 5.10.104 with QT 5.15 (Optional)<br>Linux Ubuntu Server 22.04 (Optional) |
| WLAN                 | Support (Optional)                          | BT                    | Support (Optional)                                                                                                             |
| Mechanical           |                                             |                       |                                                                                                                                |
| Dimension            | 334.3 x 155.8 x 57 mm                       | Mounting              | Panel Mount<br>VESA Mount                                                                                                      |
| Enclosure            | Metal Housing                               | Cooling System        | Fanless Design                                                                                                                 |
| Cut out              | 312x140mm                                   |                       |                                                                                                                                |
| IO Ports             |                                             |                       |                                                                                                                                |
| USB Port             | 2 x USB 2.0 Type A<br>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 (Optional)                      | LAN                   | 1 x LAN 10/100/1000 Mbps                                                                                                       |
| 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                                     |                       |                                                                                                                                |
| Control              |                                             |                       |                                                                                                                                |
| Button               | 1 x Power Button (Optional)                 |                       |                                                                                                                                |

