W07RK3S-PCO1-PoE, 7-inch S-Series HMI

Pioneering Smart Access Control Solutions

The S-Series HMI - W07RK3S-PCO1-PoE is a 7-inch panel PC designed specifically as an interface for smart access control. What makes the series stand out include the features of the PoE function, which allows the transfer of data and electrical power simultaneously resulting in a reduction of installation costs and power consumption, as well as the integrated RFID technology that limits the access only to specific personnel. Ease of cleaning has also been taken into consideration and resulted in the series being built with a true flat surface for easy cleaning and avoiding clogged dust on the edges while delivering superior readability.



Highlights

- 7" 1024 x 600 Resolution with Projected Capacitive Multi-Touch (P-CAP)
- \bullet Arm® Dual-core Cortex®-A72 up to 2.0GHz + Quad-core Cortex®-A53 up to 1.5GHz
- Fanless cooling system and ultra-low power consumption
- Supports PoE function
- Optional 2MP Front Camera
- Optional HF RFID Reader
- Stylish design for room booking, access control and room information applications



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Display Specification

 Size
 7" TFT (Widescreen)

 Resolution
 1024 x 600

 Brightness
 1000 nits (typ.)

 Contrast Ratio
 500:1 (typ.)

 Viewing Angle
 -75~75(H);-75~70(V)

Max Colors 16.7M

Touch Projected Capacitive Multi-Touch (P-CAP)

System Specification

Processor Arm Dual-core Cortex-A72 up to 2.0GHz + Quad-core

Cortex-A53 up to 1.5GHz

System Memory 2GB LPDDR3L 1600 (Optional 4GB LPDDR3L)
Storage 16GB eMMC (default), Micro SD Card

Operating System Android 7.1 (default)

Interface

Serial Ports 1 x RS-232/422/485

USB Ports 1 x USB 3.0, 1 x USB 2.0, 1 x USB OTG

SD Card Slot 1 x Micro SD Card Slot
Ethernet 1 x RJ 45-10/100/1000 Mbps
LAN support PoE function

HMDI 1 x Micro HDMI

Audio

Speaker 1 x 1 Watt Speaker

Camera

Front Camera Optional 2MP Front Camera

Data Capture

RFID Optional HF RFID Reader 13.56 MHz

Power Management

Power Input 12V DC

Power Over Ethernet Power Device (PD) follows IEEE 802.3at (25 W),

IEEE 802.3af (15 W)

Power Consumption 10W

Mechanical and Environment

Cooling System Fanless design

Mounting VESA Mount (75x75mm), Panel Mount

Dimensions (W x H x D) 189.4 x 145.4 x 36.1 (mm) Cutout Dimensions (W x D) 131.4 x 175.4 (mm)

Environment

Operating Temperature $\,$ 0 °C to 50 °C

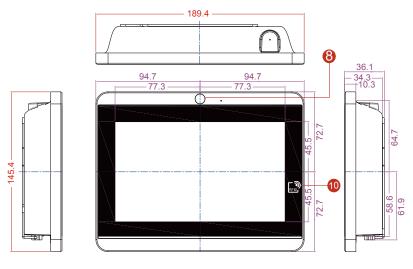
Operating Humidity 10% to 90% (non condensing)
IP Rating Front: IP65 water and dust proof

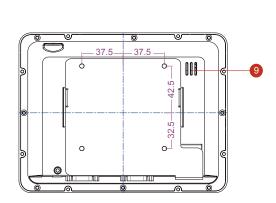
Full: IP22

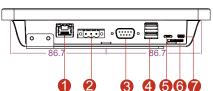
Standards and Certification

EMC CE Safety FCC

Drawing







- 1. Giga LAN / PoE
- 2. Terminal Block 12V DC In
- 3. RS232/422/485
- 4. 1 x USB 3.0, 1 x USB 2.0
- 5. USB OTG
- 6. Micro SD Card Slot
- 7. Micro HDMI
- 8. 2MP Front Camera (optional)
- 9. 1W Speaker
- 10. HF RFID (optional)

