W10RK3S-PCH2AC-PoE, 10.1-inch S-Series HMI

Pioneering Smart Access Control Solutions

The S-Series HMI - W10RK3S-PCH2AC-PoE is a 10.1-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, and the LED light bar that allows for visual notifications, 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

- 10.1" 1280 x 800 Resolution with Projected Capacitive Multi-Touch (P-CAP)
- 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
- Front IP65 Water and Dust Proof
- Built-in RGB LED Light Bar Indicator

Winmate

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Display Specification

Size	10.1" TFT (Widescreen)
Resolution	1028 x 800
Brightness	350 nits (typ.)
Contrast Ratio	800:1 (typ.)
Viewing Angle	-85~85 (H);-85~85(V)
Max Colors	16.7M
Touch	Projected Capacitive Multi-Touch (P-CAP) Optional anti-glare coating

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	12W

Mechanical and Environment

Cooling System	Fanless design
Mounting	VESA Mount (75x75mm), Panel Mount, Front Side Wall Mount
Dimensions (W x H x D)	263.28 x 171 x 35.7 (mm)
Cutout Dimensions (W x D)	157.6 x 249 (mm)

Environment

Operating Temperature	0 ºC to 50 ºC
Operating Humidity	30% to 90% (non condensing)

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. HF RFID Reader (Optional)
9. RGB LED Light Bar
10. 1W Speaker