R15RK3S-PTC3, 15-inch Multi-Touch Chassis Series HMI

Sleek Design, Enhanced User Experience

Ideal for various industrial or enterprise scenarios, the PT series Chassis HMI comes to satisfy those who are in need for a high performance HMI Panel PC in a slim, sleek design. The slim design also comes with a true flat front surface that is easy-to-clean and to avoid dust and water clogging on the edges. Featuring a high performance Arm Cortex A72 + A53 processor, the R15RK3S-PTC3 and onboard PoE to be able to transfer both data and electrical power to reduce installation costs and power consumption, the R15RK3S-PTC3 is a HMI ready for any tasks.

Highlights

- 15" 1024 x 768 with P-CAP touchscreen
- Arm Cortex-A72 + Cortex-A53 Processor
- Fanless cooling system and ultra-low power consumption
- Front IP65 for protection against water and dust
- A true flat, easy-to-clean front surface with edge-to-edge design

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Display Specification

Size/Type	15" TFT
Resolution	1024 x 768
Brightness	300cd/m2 (typ.)
Contrast Ratio	700:1 (typ.)
Viewing Angle	-80~80 (H);-80~80 (V)
Max Colors	16.2M
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 LPDDR3
Storage	Onboard 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	2 x 1 Watt Speaker

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	13 W typical, normal operation

Mechanical and Environment

Mounting	VESA Mount (100x100mm, 75x75mm)
Dimensions (W x H x D)	352.5 x 276.7 x 45.45 (mm)
Appearance	Back cover color RAL 7016 Plastic Housing

Environment

Operating Temperature	0 °C to 40 °C
Operating Humidity	10% to 95% (non condensing)
IP Rating	Front IP65

Drawing

352.50

276.70

45.45

45.45

100.00
75.00
100.00
75.00
8X M4_VESA-SCREW

Rest

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. Power & Reset button
9. 1 Watt Speaker

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