

IOVU-210AR-RK39

10.1" RISC-based Panel PC



Features

- » 10.1" 1280x800 LCD
- » Project Capacitive Touch Screen
- » CPU: Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz)
- » OS: Android 7.1
- » Boot Flash: 16GB eMMC Nand Flash
- » RAM: 2GB LPDDR3-1866
- » Grove Interface IoT Sensor connectors

Specifications

| Communication | |
|-----------------------|----------------------------------------------------------------------------------------------|
| Bluetooth | Bluetooth V4.1 |
| Wi-Fi | 802.11 a/b/g/n/ac |
| Display | |
| Brightness(cd/m2) | 250 cd/m2 (typ.) |
| Contrast Ratio | 800:1(typ.) |
| LCD Size | 10.1" |
| Max Resolution | 800(RGB) x 1280 |
| Environment | |
| Humidity | 10% ~ 95%, non-condensing |
| Operating Temperature | -10°C ~ 50°C with air flow |
| Safety & EMC | CE/FCC Class B |
| Storage Temperature | -20°C ~ 60°C |
| Form factor | |
| Form factor | 10.1" 1280x800 LCD |
| | Project Capacitive Touch Screen |
| | CPU: Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz) |
| | OS: Android 7.1 |
| | Boot Flash: 16GB eMMC Nand Flash |
| | RAM: 2GB LPDDR3-1866 |
| | Grove Interface IOT Sensor connectors |
| Function Key | |
| Function Key | 1 x Reset button |
| | 2 x Volume key (up / down) on screen |
| | 1 x SOS key on screen |
| I/O Interface | |
| Ethernet | 1 x GbE RJ45 by RTL8211E with PoE (PD) |
| | 1 x GbE RJ45 by RTL8211E |
| I/O Ports | 1 x RS-232 (4 pin terminal block) |
| | 1 x RS-232/422/485 (4 pin wafer connector) |
| | 1 x 4 bit (2 in, 2 out) |
| | 2 x 2 bit (1 in, 1 out) |
| | 3 x I ² C sensor connectors (3V) |
| USB | 1 x USB 3.0 Type A |

| | |
|---------------------------------|--------------------------------------------------------------------------------------------|
| | 1 x USB 2.0 Type A |
| Other Features | |
| Audio | 2 x Speaker (1.5W) |
| Camera | Front 5-megapixel (CMOS) |
| Microphone | 1 x Digital Mic in |
| RFID Reader | 13.56 MHz ISO4443 A/B, read-write capable, ISO 14443A (MIFARE), ISO 14443B (FeliCa) |
| Physical Characteristics | |
| Color | White |
| Dimensions (LxWxH) (mm) | 282.5 x 174.3 x 26.8 |
| Mounting | Panel mount, In wall cage |
| Net Weight | 0.85 kg |
| Power | |
| Input | 9 V~30 V DC input (φ2.5/5.5mm DC Jack) |
| Storage | |
| Storage | 1 x Micro SD slot |
| System | |
| Chipset | SoC |
| Cooling method / System Fan | Fanless |
| CPU | Rockchip RK3399 (Dual-core Cortex-A72 up to 1.8GHz + Quad-core Cortex-A53 up to 1.5GHz) |
| On-board Memory | 2GB LPDDR3-1866 |
| Storage | 16GB eMMC NAND FLASH |
| Touch | |
| Touch Screen | 10 points Project Capacitive |
| LED Function | |
| LED Function | 1 x Power LED |
| | 1 x RFID LED |

Ordering Information

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IOVU-210AR-RK39-R10-US | 10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, US reg, ROHS |
| IOVU-210AR-RK39-R10-TW | 10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, TW reg, ROHS |
| IOVU-210AR-RK39-R10-EU | 10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, EU reg, ROHS |
| IOVU-210AR-RK39-R10-CN | 10.1" TFT-LCD; Rockchip 3399 Processor, 2GB LPDDR3 , 16GB eMMC Flash, Camera, WIFI/BT, POE 802.3at, COM port, DIO, 4pin sensor connector, Front Camera, NFC, CN reg, ROHS |

Packing List

| | |
|-----------------------|------------------------|
| 1 x IOVU-210AR Device | 1 x Wall mount bracket |
| 1 x Screw set | |