

SMART BIOMETRIC TERMINAL

MR-990



Facial



Fingerprint



ID Reader



IP65 Rating



Android 9.0



4G Full
Netcom



10.1" Display
Screen



8000mAh
Lithium Battery



MIAXIS® MR-990 is an intelligent biometric terminal based on Android 9.0. The product has a built-in ID card reader, fingerprint module and binocular camera, which can realise the verification function of ID card reading, fingerprint and face collection&comparison, support live detection, truly achieve 'person to witness integration', and meet the needs of users in different industries for verification.

Basic Parameter

| | |
|------------------|---|
| Size(L×W×H) | • 281×179×25mm |
| Weight | • approx. 900g |
| Display | • 10.1 Inch, 1280×800 Pixel, Multitouch capacitive screen |
| Battery | • 3.7V/8000mAh, Li-ion |
| Expansion Slots | • 1 SIM card slot, 1 TF card slot(up to 256GB) |
| Peripheral Ports | • 1 Type-C(charge), 1 Type-A(OTG), RJ45, 2 Dry contact |
| Audio | • Speaker, Microphone |
| Buttons | • 1 Power key, 2 Volume keys |

Performance Parameter

| | |
|------------------|--|
| Processor | • Octa-core ARM Cortex-A53 64-bit CPU@1.8GHz |
| Memory | • 16GB eMMC+2GBLPDDR3 |
| Operation System | • Android OS 9.0 |

Data Communication

| | |
|--------------------|--|
| WLAN Features | • 2.4GHz/5GHz, support 802.11a/b/g/n/ac, maximally up to 433 Mbps • Support AP and STA mode |
| Bluetooth Features | • BT 4.2 LE |
| GNSS Features | • GPS/GLONASS/BeiDou |
| TCP/IP | • 10/100M |
| WWAN | • LTE FDD: B1/B3/B5/B8 • LTE TDD: B34/B38/B39/B40/B41 • WCDMA:B1/B8 • EVDO/CDMA:BC0 |

Operational Environment

| | |
|-----------------------|---|
| Operating Temperature | • -10°C to +50°C |
| Storage Temperature | • -20°C to +60°C |
| Operating Humidity | • 5%RH to 95%RH |
| Ingress Protection | • IP65 |
| ESD Immunity | • ±8kV contact discharge, ±15kV air discharge |
| EMI Immunity | • 80MHz~1000MHz, 10V/m |

Biometric Verification

| | |
|--------------------|---|
| Front Camera | • Infrared and visible light binocular camera |
| Rear Camera(opt) | • 13MP, Autofocus |
| Card Reader | • ISO14443 Type B |
| Fingerprint Module | • FAP10 Single Fingerprint Module |

Fingerprint Module

| | |
|------------------|---------------------|
| Sensor Type | • Capacitive Sensor |
| Image Spec | • FBI PIV&FAP10 |
| Image Resolution | • 508DPI |
| Image Size(W×H) | • 256×360 pixel |
| Grey Scale | • 8bit, 256 levels |
| Enrollment Time | • ≤0.25s |
| FRR | • ≤1% |
| FAR | • ≤0.0001% |

Binocular Camera

| | |
|--------------------|---|
| VID/PID | • 0C45/B051(Infrared), 0C45/C053(Visible Light) |
| Pixel size | • 3 um× 3 um |
| Distortion | • <1% |
| FOV(Infrared) | • H41.1° V67.7° D76.1° |
| FOV(Visible Light) | • H41.6° V68.3° D76.4° |
| SNR | • ≥25dB(Infrared), ≥30dB (Visible Light) |
| Dynamic Range | • <58dB |
| Cold start speed | • <1.5s |
| Hot start speed | • <1.0s |

Scenarios



Govt. Institution



Education



Banking



Hospitality



KYCs



MIAXIS BIOMETRICS CO.,LTD.

HQ ADD: 5F, Technology Bldg., East Software Park, No.90 Wensan Rd, Hangzhou, China

Factory ADD: No. 501, West F3, Building C, Dagang Industrial Zone, Changzhen Community, Yutang Street, Guangming District, Shenzhen, China

www.miaxis.net

inquiry@miaxis.com

+86 571 8998 6381