

V8R Rugged Tablet

The V8R Rugged Tablet is a high-performance, compact biometric and data capture device built for field-ready registration and verification. With multi-model biometrics, rugged durability, and secure connectivity, the V8R is the ideal solution for mobile identity operations in any environment.



Biometric Tablet

Portable, Powerful & Multi-Biometric Field Device

The V8R Rugged Tablet is engineered to meet the challenges of identity programs that demand both accurate registration and fast verification. It features fingerprint, optional iris and smartcard capabilities, a powerful 8-core processor, and an 8-inch HD touchscreen – all packed into a lightweight yet rugged form factor. Designed for government agencies, digital ID providers, law enforcement, and field operatives, the V8R enables seamless enrollment and instant authentication – online or offline – with flexible connectivity options and modular expansion.

Ideal for Mission-Critical Identity Programs

The V8R Rugged Tablet is a field-optimized biometric solution designed for secure, reliable performance in both identity registration and real-time verification. Its compact design, extended battery life, and advanced biometric capabilities make it an essential tool for modern digital identity ecosystems. Whether operating in urban centers or remote environments, the V8R supports large-scale deployments and mobile missions across public and private sectors.

Use Case Scenarios:

- National ID programs
- Voter registration and electoral roll verification
- Border control and immigration
- SIM card registration and banking e-KYC
- Law enforcement and public safety
- Healthcare, social welfare, and humanitarian aid

Built to work online or offline, and easily customizable for specific operational needs, the V8R empowers identity programs to scale with speed, accuracy, and security.

V8R Rugged Tablet

Specification

Category Description

| | |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor | Octa Core 8x Cortex-A53, 2.2GHz |
| RAM / Storage | RAM: 4GB (up to 8GB) ROM: 128GB (up to 512GB) |
| Operating System | Android 13 (upgradeable) with Google certification |
| Display | 8" IPS HD LCD Touch Screen, 800×1280 pixels |
| Storage Expansion | Micro SD up to 128GB |
| Wifi | 2.4GHz / 5GHz, 802.11 a/b/g/n/ac |
| Bluetooth | Bluetooth 5.0 + BLE |
| Battery | Removable 10,000mAh Li-ion |
| Rear Camera | 8MP / 13MP / 16MP with AF & Flash |
| Front Camera | 5MP / 8MP FF |
| Illumination Guidance | RGB LED for Power & Operation Status |
| GNSS | GPS / GLONASS / Galileo / BDS |
| Mobile Network | 4G TDD-LTE / FDD-LTE (Dual SIM) |
| Ports | USB-C x1 + USB-A x1 (with data transfer protection) |
| Card Slot | SAM card support |
| Biometrics | Rossii or Rossii+ IMD MatriXcan Fingerprint Reader |
| Operating Temp. | 0°C ~ 45°C, Humidity: 10% ~ 75% |
| Storage Temp. | -20°C ~ 50°C, Humidity: 5% ~ 85% |
| Certifications | CE, FCC, RoHS, IP65, FBI appendix F, MIL-STD-810H* |
| Optional Features* | UV Light Sensor Binocular Iris Scanner 1D/2D Barcode Scanner (PDF417, QR, etc.) OCR-A / OCR-B / E13B (MICR) NFC / RFID Contact Smartcard Reader (ISO7816) |

