E-BioPalm

Contactless Biometric ID Verification Device



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E-BioPalm

Technical Specifications

Processor and Memory
MT8766, quad-core Cortex-A53, 2.0 GHz · 4 GB + 64 GB or 3 GB + 32 GB

Operating System
Android 15 or Android 11 (Android 15 upgradable to Android 16 on the 4 GB + 64 GB version)

Palm vein sensor
Fujitsu PalmSecure-F Light+ Standard, F Pro or F Pro+, contactless palm vein recognition

Smart Card Reader
ISO 7816 Parts 1–3, Class A, B, C (5 V, 3 V, 1.8 V) compliant, single slot (second reader optional)

NFC Card Reader
Supports ISO 14443 A/B, MIFARE, ISO 15693

SAM Slot
1× standard full-size PSAM card slot (ISO 7816)

5 inch Touch Screen
720 × 1280 pixels (upgradable to FHD 1920 × 1200)

Front and Rear Cameras
8 MP front camera; 13 MP rear camera with flash and autofocus

Connectivity
4G FDD-LTE & TDD-LTE, Wi-Fi 802.11 a/b/g/n/ac, Bluetooth 5.1, GPS / A-GPS, Ethernet, RJ45, up to 100 Mbps

Tamper Protection
Physical tamper protection powered by a secure IC

Removable Battery
3.8 V / 10,000 mAh removable lithium-ion polymer battery

Dimensions and Weight
200 × 82 × 36 mm · 505 g

Certifications

Trust in E-BioPalm matters to both the user and the service provider. It is built on independently tested components: Fujitsu PalmSecure palm vein technology (PalmSecure F-Pro tested by iBeta to ISO/IEC 30107-3, PAD Level 1, 2024) and the Infineon CIPURSE secure access module (Common Criteria EAL6+). Reference standards are listed below.

STANDARD	COMMENT
ISO/IEC 19794-1 – Framework / Overview **ISO/IEC 19795-1** – Performance Testing & Reporting **ISO/IEC 30107-3** – Presentation Attack Detection **ISO/IEC 19794-9** – Vascular (Palm Vein) Image Data	Reference Standards for Palm Vein Biometrics

ISO/IEC 30107-3 PAD LEVEL 1
COMMON CRITERIA EAL6+

FUJITSU PALMSECURE F-PRO
INFINEON CIPURSE SAM

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