



ELECTRONIA



EIS SMART

BIO HANDHELD TERMINAL

Instant Identity Verification for Mobile Applications

*E*ISmart Bio Terminal by Electronia is a handheld device designed to provide identity verification by reading contact and contactless chips found on identification documents such as ID cards, Passports, National ID Cards, Driver's Licenses, Credit Cards, and Health Cards, among others.

The EISmart Bio Terminal combines a contact and contactless smart card reader, a 500 dpi fingerprint sensor for instant biometric verification, and a large color digital touchscreen display readable in direct sunlight or low-light conditions — all in a small handheld Windows CE.NET unit weighing approximately two pounds.

Designed for flexibility, EISmart Bio Terminal features a variety of expansion capabilities. Multiple interface options such as Bluetooth®, WiLAN, USB, CF and serial port are built into the unit for supporting communications with different external devices. GSM/GPRS based global communication is also available.

Features

- Windows® CE.NET or Firmware based
- Integrated 500 dpi fingerprint sensor for “on the spot” biometric identity verification
- Open platform supporting biometric technologies from multiple industry leading biometric providers
- High-resolution color digital touch screen display with stylus providing excellent clarity in direct sunlight and low light conditions
- Optional internal wireless communication including 802.11b and Bluetooth
- Built-in CF slots
- Extended long life Li-Polymer battery
- Ergonomic lightweight design for mobile use

Technical Specifications

Size:

Approx. 7" x 7" x 2" (185 mm x 185 mm x 50 mm)

Operating System:

Microsoft® Windows® CE.NET Version 4.2 or custom firmware

Display:

3.5" color digital transfective touchscreen with stylus 240 (H) x 320 (V) QVGA

Memory:

64MB RAM, 64MB CF storage minimum

Fingerprint Sensor:

500 DPI Capacitive Solid-State Sensor 12.5 x 15.0 mm (0.5 x 0.6 in) sensor area

Keypad:

5-Button backlit rubber keypad (Power button + 4 function keys)

Smart Card Interface:

Contact for ISO-7816 cards Contactless interface for ISO-14443 A/B

Interface:

Serial, USB Host (2), CF Slots (1 external, 1 internal), LAN

Internal Wireless Options:

WiFi (802.11b), Bluetooth

Other Options:

GSM, GPRS

Battery:

High capacity rechargeable & user-replaceable Li-Polymer battery(s) Standard single battery provides 3000mAh (up to 8 hours normal use). User can install second battery or factory fitted at time of order and will increase internal capacity to 6000mAh.

Power Supply:

With AC Adapter/Charger: 100-240 V AC, 50-60 Hz
With Optional Auto Adapter/Charger: 12-19 V DC

Environmental:

IP32



Applications

- Border crossing, immigration and travel applications requiring "on the spot" biometric and ID document verification.
- Corrections, law enforcement and emergency responders for mobile identity and credential verification.
- Access control for manned identity verification at entry points, gates, vehicle side and other remote access areas via contact or contactless smart card and/or driver's license. Employee tracking in emergency gathering point scenarios. Identity verification for wireless systems for biometric transmission to a back-end system for ports, nuclear power facilities and other highly secured areas.
- Commercial applications such as mobile point of sale and secure courier services.
- Event management for reading ID cards to ensure that tickets were purchased and authorize access to VIP areas.
- Identity verification of cardholders at stadiums and public events.

