

The Omni-Touch Terminal

TIME AND ATTENDANCE WITH FINGERPRINT VERIFICATION



The terminal is a dual factor solution that combines fingerprint with an optional proximity reader. This allows a combination of RF, PIN and fingerprint security policies for a full blown verification process.

Fingerprint is the most commonly accepted biometric method and has already proven its reliability in numerous applications.

The Omni-Touch terminal has a comprehensive combination of time & attendance, access control and job tracking functions. The terminal can easily be networked using Ethernet TCP-IP, Capnet or RS232 and operates in off-line mode.

Biometrics

"The Omni-Touch biometric sensor is electrically charged with a tiny electric voltage. When an individual places their finger on the sensor the device detects the minute voltage differences that arise between the 'peaks and troughs' across an individual's unique finger pattern.

Readings are taken at a range of points and the results converted, by way of mathematical algorithms, into a unique value, which is then stored against that individual in the software database. No reading is taken of the individual's traditional fingerprint, so there are no personal security violations.

Individuals are able to enrol and use more than one finger, to accommodate occasions when the main finger surface is damaged or covered."

Benefits

- Eliminates "buddy punching" – one employee entering data for another
- Fingerprints can not be forgotten, transferred or stolen
- One time enrolment for multiple points of entry
- Increased security
- The combination of PIN and fingerprint eliminates the need for a badge

Terminal Operation

- The employee first enters a badge or PIN code and then places the finger on the sensor. The Omni-Touch compares the signal from the sensor with the template stored in memory for that employee.
- An optional proximity reader is available. Employees then use their card or fob in place of keypad entry.
- Clockings are stored in the terminal and are retrieved at regular intervals by CaptureIT.
- The fingerprint data file that is uploaded into the terminal can be downloaded / uploaded to / from the host PC.
- The configuration file that is uploaded into the terminal prior to operation, defines the functionalities of the terminal (messages to display, programming and use of keys, timeouts)

VIZUAL

Management Solutions Ltd.



Technical Specifications

Electrical specifications

12-24V. DC
150-200 mA. At 24V.
275-350 mA. At 12V.

Environmental conditions

Operating temperature:
0°C to 45°C
Storage temperature:
-25°C to 85°C
Relative humidity:
Up to 90% non-condensing

Case details

Width: 200 mm
Height: 195 mm
Depth: 105 mm
Weight: 1 kg

Certification

CE, R&TTE compliant:



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The Omni-Touch Terminal

Fingerprint Verification

- Simple enrolment and verification procedure
- Fast fingerprint verification in less than 1 second
- Choice between several security levels
- Multiple fingerprints per person ensures reliability
- Fingerprint can not be recreated from template ensuring privacy
- Sensor looks past the easily obscured outer surface of the skin to the living layer below where the unique ridge and valley patterns of the fingerprint originate
- Based on Bioscrypt's cutting-edge technology

Specifications

• False Rejection Rate (FRR)	< 0.1%
• False Acceptance Rate (FAR)	< 0.1%
• Equal error rate (FRR=FAR)	< 0.1%
• Number of templates	4,500+
• Template size	< 350 bytes
• Sensor	AF-S2 Authentic

Fingerprint Verification

- Faradex housing with internal RFI shielding
- Dust sealed keyboard including a numeric keypad and 8 function keys
- Large backlit graphical LCD display, 128x64 pixels
- Red and green LED for user feedback
- Optional internal proximity reader
- Communication interfaces: Ethernet TCP-IP, Capnet or RS232
- Compatible with external devices like barcode reader, modem...
- 2 relay outputs (bell, door, ...)
- 2 optically isolated input
- Downloadable firmware upgrades
- Cap-String interface for up to 7 slave devices
- 1 MB of battery-backed memory
- Dynamic distribution of memory mapping

Tables

- Personnel table for up to 4,500 persons, containing employee name, group code, PIN, personnel counters, ...
- Clocking table for more than 50,000 clockings
- Access profiles
- Bell signals
- Terminal messages

Note: All products are subject to change without notice