Super:Vision

biometric systems

IdentiClock™

- Biometric terminal for time & attendance + access control

- World's most advanced thermal fingerprint reader - self cleansing, reads through dirt and grime

- LCD displays user name, scan outcome, time and date

- LEDs indicate power to unit and scan outcome

- On-board relay triggers door opening mechanism

- Buzzer provides audible feedback on scan outcome

- OEM version available

Three outcome indicator biometric terminal designed for Africa's harsh conditions

tmX|IdentiClock™

The **IdentiClock™** is a rugged biometric terminal which incorporates the Certis® fingerprint reader and can be used for access control and time & attendance applications.

Developed by tmX, one of Africa's leaders in fingerprint identification systems, the **IdentiClock™** incorporates a self-cleansing thermal fingerprint scanner which, unlike optical or capacitive scanners, can read through heavy grease and grime to capture an exceptionally clear image of the print (see image below).

The scanner is housed in an aluminium casing which also contains a two line LCD display, three LEDs, a relay box and a buzzer.

In standby mode, an LED will indicate that the **IdentiClock™** is switched on, while the LCD screen will display the time and date. When an enrolled user scans their finger, their name and the outcome of their scan will be returned on the LCD.

Red and green LEDs provide further visual feedback on the scan outcome, while the buzzer provides an audible alert. If used in an access control application, the inbuilt relay will trigger a lock, thus opening the secured area.

The **IdentiClock™** runs the **SuperVision™** biometric software which features an advanced algorithm capable of enrolling and recognising even the most eroded and damaged finger.

In identification mode, up to 2500 fingerprints can be stored in the **SuperVision™** database which will match a finger in less than one second. If used in verification mode, 20000 fingerprints can be loaded on a PC with 128MB RAM. With a memory upgrade up to one million prints can be stored.

The **SuperVision™** biometric software is application independent allowing the **IdentiClock™** to be used in conjunction with tmX's access control or time & attendance software or a software program from a 3rd party vendor.

The **IdentiClock™** can be powered from either the tmX industrial controller (see tmX controller sheet) or standard PC. Up to four **IdentiClocks™** can be run from a single controller/PC.

The controller or PC can be used in a stand-alone capacity or networked to allow data and reports to be viewed from a supervisor's office. SMTP protocols allow data to be sent from the **IdentiClock™** location to another site (such as a head office).
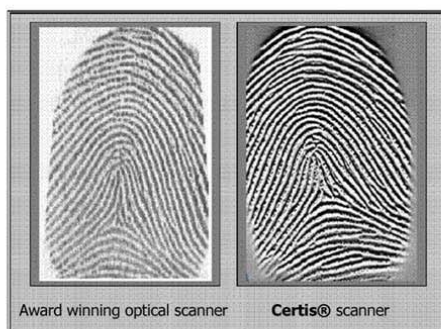
IdentiClock™ benefits

• Aesthetic unit providing user with three levels feedback
• Self-cleansing scanner reads through grease, oil and grime
• Software algorithm ensures all fingers can be enrolled and recognised – even damaged / eroded fingerprints
• Operates in identification (1:n) or verification (1:1) modes
• Matching time < 1 second

IdentiClock™ applications

• Plug & play with tmX time & attendance and access control software
• Easy integration with 3rd party application software

IdentiClock™ specifications

• Diameter 125mm. Depth 50mm
• 2 line 16 character LCD
• Operating temperature of -10 oC to +60oC
• Interface to controller ethernet port via CAT 5 cable or USB and serial cables to USB and serial ports (RS 232)

IdentiClock™ options

• External keypad for use in verification mode

Certis® specifications

• 500 dpi Twain format image
• Operating temperature: -20°C to +70°C
• ESD resistance: 16kV air discharge
• Power: 5V DC (min. 4.5V – max 5.5V) Typical Amps: 150mA
• Communication port: USB1.1 Full (12Mbits/s)
• Electronics reliability: 50,000 hours / min 5 years at 25°C
• Sensor reliability : >1 million finger sweeps
• Finger motion speed: 2cm/s - 15cm/s
• Drivers: Windows 2000 and XP
• Dimensions: W 49mm; L 67mm; H 24mm

Award winning optical scanner   **Certis®** scanner