

## iClock660

### Product Description

iClock660 is an innovative biometric fingerprint reader for Time & Attendance applications, offering unparalleled performance using an advanced algorithm for reliability, precision and excellent matching speed. The iClock660 features the fastest commercial-based fingerprint matching algorithm and high-performance, high-image quality optical fingerprint sensor. The 3.5" TFT can display more information vividly, including user photo, fingerprint image quality and verification result etc. 8 function keys are the shortcuts to change the attendance status, work-code or to browse the short message, and can be defined as required. TCP/IP communication is standard and make sure the data transmission between terminal and PC can be easily done within several seconds. The camera can capture the image of the user.



### Functions

#### Standard



#### Optional



### Features

- Color TFT screen with GUI Interface for ease of use
- Optical Sensor
- 1 touch a-second user recognition
- Stores 8,000 templates and 200,000 transactions
- Reads Fingerprint and/or PINs
- Optional integrated proximity or smart card reader
- Built-in Serial and Ethernet ports

- Built-in USB port allows for manual data transfer when network isn't available
- Optional integrated Wi-Fi\GPRS also available
- 8 user-defined function keys
- Multi Language Support
- Built in bell scheduling
- Real-time 1-touch data export 3rd party hosted and non-hosted applications
- Audio-Visual indications for acceptance and rejection of valid/invalid fingers
- SDK available for OEM customers and software developers

## iClock660 Specifications

### Capacity

Fingerprint Cap.	80,000
Log Capacity	200,000

### Hardware

Platform	ZEM600
CPU	32bit Multi-Bio CPU 400MHz
Memory	32M RAM, 256M Flash
Sensor	Optical Sensor
Camera	300,000 Pixels Camera

### Display

Screen	TFT Screen 3.5 inch
LED Indicator	Red/Green

### Environment

Oper. Temp	0°C - 45°C
Oper. Humidity	20%-80%

### Power

Power	12V, DC 1.5A
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### Communication

Comm. Port	RS232/485, TCP/IP, Ethernet, USB-Client
Pen Drive	USB-host

### Fingerprint Algorithm

Type	Finger v9.0 and v10.0
Identification	<=2 seconds
Verification	<=1 second
FRR; FAR	< 1%; <=0.0001%

### Languages

Available	All European Languages
Maximum	All Configured by Menu
Voices	Allowed. Standard M & F

### Keypad

Type	Buttons keypad
Function Keys	8 defined by user
Events management	Up to 9,999 with Description

### Dimensions

Dimensions	205.6x150x41.6 mm (L x W x D)
Weight	1.30Kg

### Firmware

O.S; SDK	Linux, Professional SDK
Applications	T&A and AC
Standard Function	Workcode, SMS, Scheduled-bell, Self-Service, Query, Photo-ID, Automatic Status Switch, DLST, T9 Input
Optional Function	ID/MIFARE/HID/iClass, Wi-Fi, Webserver, 9 Digit User ID, GPRS

## Connectivity Diagram iClock660

