# iClock-660

## Product Description

iClock-660 is a Time & Attendance terminal with incorporated ZK fingerprint sensor and 3'5 TFT display. Easy to install, and with a modern design, it is the perfect solution for all kinds of installations. It incorporates 1,3M pixels camera for taking user photos and sending black/white photos lists to the server. The color TFT display offers users easy menu management. Iclock-660 is based on ZEM600 platform which allows more memory capacity and professional firmware functions. It can connect to Time & Attendance management software by Ethernet or USB port (optionally it can work by Wifi and GPRS), and also operate on standalone mode, downloading data by USB pendrive.

### Standard functions

T&A · ZEM600 · USB HOST · USB COM · 3,5" · FIRM PRO · ETHERNET · SDK · .WAV

### Optional functions

EM RFID · MF RFID · HID RFID

## Features

- Time & Attendance terminal
- Incorporates ZK fingerprint sensor and optionally RFID reader
- Stores up to 30.000 users and 8.000 fingerprint templates.
- Stores up to 200.000 log records without PC download.
- Camera 1,3 M. pixels
- Allows communication with PC through Ethernet and USB port
- Optionally, allows Wifi and GPRS communications
- Events management (doctor, personal issues, etc…)
- All European languages (standard texts and voices) included
- Audio voices (male or female) and text configured by menu
- Professional firmware with advanced functions as :
  - Photo ID (shows the user photo) and black/white photos lists management.
  - Smartmode (automatic Check-In and check-Out).
  - Real-Time (log records communication to server).
  - Background image (set company logo or brand)
  - Advanced log query management
  - Complete events management
  - Mifare technology configured by menu (Key A/B)
  - USB download records (format and data defined by user)
- Professional SDK (advanced functions)

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## Specifications

### Capacity

| | |
|---|---|
| User capacity | 30.000 |
| Templates | 8.000 |
| Transactions | 200,000 |

### Hardware

| | |
|---|---|
| Platform | ZEM600 |
| CPU | 32bit MultiBio Microprocessor 630MHz |
| Memory | 64M RAM, 256M Flash |
| Sensor | ZK optical sensor |
| Camera | 1,3 M. pixels camera |

### Display

| | |
|---|---|
| LCD | TFT Screen 3'5 inch |
| LED Indicator | Red and Green |

### Environment

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

### Power

| | |
|---|---|
| Power | 12V, DC, 1.5A |

### Communication

| | |
|---|---|
| Comm. Port | Ethernet, USB-Client |
| Pen drive | USB-host |

### Fingerprint Algorithm

| | |
|---|---|
| Type | ZK Finger 9.0 and 10.0 |
| Identification | <=2 seconds |
| Verification | <=1 second |
| FRR | < 1% |
| FAR | <=0.0001% |

### Languages

| | |
|---|---|
| Available | All European languages |
| Maximum | All configured by menu. |
| Voices | Allowed. Standard male and female |

### Keypad

| | |
|---|---|
| Type | Buttons keypad |
| Function Keys | 8 defined by user |
| Events Management | Up to 9.999 with description |

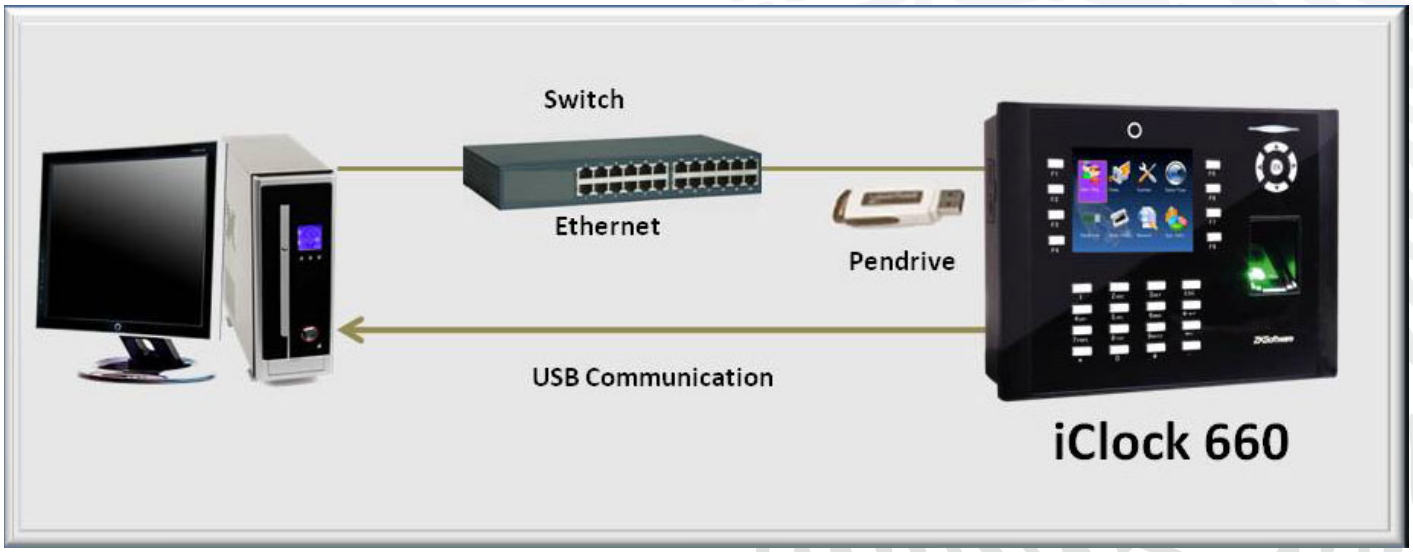
### Dimensions

| | |
|---|---|
| Dimensions | 205.6x150x41.6mm (L x W x D) |
| Weight | 1.30kg |

### Firmware

| | |
|---|---|
| O.S | Linux |
| Applications | T&A and AC |
| SDK | Professional SDK |

## Connectivity diagram

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