iClock2800/3800

Product Description

iClock2800/3800 is an innovative biometric fingerprint terminal series for Time & Attendance and access control applications. With 8 inch TFT Touch screen offering multimedia display, it includes 1,3M pixels camera for taking user photos. Integrated with our newest and most advanced fingerprint algorithm version, ZKFinger10.0, it ensures high precision fingerprint identification. 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. For access control, it allows time zones and groups and the relay can be connected to lock or external siren. Both models are available with Linux OS or Windows CE OS. Additionally, this series is now available with integrated Kindergarten Firmware and Software, offering a complete and easy to use T&A and Access Control solution for Kindergartens, Nurseries and Schools.

Standard functions

EM RFID	+−	AC	T&A					USB HOST	USB COM	ZEM 600

7"	8"	W-OUT In		+ETHER		.WAV	SDK	DOOR LOCK	PUSH EXIT	

Optional functions

	MF RFID	HID RFID					

Features

✓ Time & Attendance and access control device

✓ Incorporates ZK fingerprint sensor and RFID reader

✓ Stores up to 10000 users and 8000 fingerprint templates.

✓ Stores up to 200.000 log records without PC download.

✓ Incorporate 8 inch TFT Touch screen

✓ Available in Linux and Windows CE (for developers) operating systems

✓ Allows communication with PC through Ethernet and USB port

✓ Allows Wifi and GPRS communications

✓ Events management (doctor, personal issues, etc...)

✓ Time zones, groups and holidays management for access control

✓ All European languages (standard texts and voices) included

✓ Special firmware for kindergarten are with advanced functions as :

✓ Professional SDK (advanced functions)

Specifications

Capacity

Fingerprint Capacity	8000
ID Card Capacity	10.000
Transaction Capacity	200.000

Hardware

Platform	ZEM600
CPU	32bit MultiBio Microprocessor 630MHz
Memory	64M RAM, 256M Flash
Camera	High resolution camera
Sensor	ZK optical sensor
Proximity	ID Card Module
Relay contacts	electric door lock, alarm, door bell door sensor, exit button

Display

LCD	8'' TFT Screen
LED Indicator	Green / Red

Environment

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

Power

Power	12V DC 1.5A
Battery	Internal (3 hours)

Communication

Comm. Port	Ethernet
Pen drive	USB-host
Wiegand	In&Out

Fingerprint Algorithm

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

Proximity Module

Type	EM card
Identification	<=1 sec

Languages

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

Keypad

Type	Touch-sensitive keypad
Function Keys	8 (Defined by user)
Events Management	Up to 9999 with description

Dimensions

Dimensions	370x260x62mm (L x W x D)
Weight	3.1kg

Firmware

O.S	Linux and Windows CE
Applications	T&A, AC (groups and TZ)
SDK	Professional SDK

Connectivity diagram

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