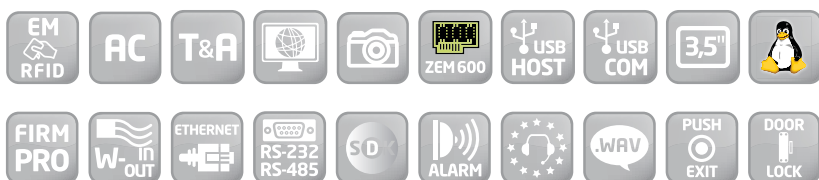# entry™

E K880

Product Description

E K880 is a Time & Attendance and access control terminal with incorporated EM proximity card reader 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. E K880 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. For access control, it allows time zones and groups and the relay can be connected to lock or external siren.

Standard functions

EM RFID | AC | T&A | | | ZEM 600 | USB HOST | USB COM | 3,5" |

FIRM PRO | W-IN OUT | ETHERNET | RS-232 RS-485 | SD | ALARM | .WAV | PUSH EXIT | DOOR LOCK

Optional functions

MF RFID | HID RFID | | | | | | |

Features

- ✓ Time & Attendance and access control device
- ✓ Incorporates RFID EM proximity reader and optionally Mifare, HID, etc…
- ✓ Stores up to 30.000 users and 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…)
- ✓ Time zones, groups and holidays management for access control
- ✓ 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)

Specifications

Capacity

User capacity	30.000
Transactions	200,000

Hardware

Memory	
Platform	ZEM600
CPU	32bit MultiBio Microprocessor 630MHz
Memory	64M RAM, 256M Flash
Proximity	EM Module
Camera	1,3 M. pixels camera
Relay contact	Electric lock, door sensor, exit button, alarm, door bell

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
Wiegand	In&Out

Proximity Module

Type	EM card
Identification	<=1 seconds

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	1.33kg

Firmware

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

Connectivity diagram