



U580

Product Description

U580 is a biometric fingerprint Time & Attendance and access control terminal. Easy to install, and with a modern design in case and keypad, it is the perfect solution for small installations. It incorporates the ZK fingerprint Sensor. It can connect to Time & Attendance management software by Ethernet or USB port, and also operate on standalone mode, downloading data by USB pendrive. Optionally, it can incorporate a proximity reader. For access control, it allows time zones and groups and the relay can be connected to lock or external siren. It includes wiegand port to connect external proximity reader.



Standard functions



Optional functions



Features

- ✓ Time and Attendance device
- ✓ Incorporates high precision ZK Sensor for registering 10 fingerprints per user.
- ✓ Optionally can be installed with proximity reader EM, Mifare, HID, etc..
- ✓ Stores up to 30.000 users and 2.200 fingerprint templates.
- ✓ Stores up to 100.000 log records without PC download.
- ✓ Allows communication with PC through Ethernet and USB port
- ✓ Optionally, allows Wifi and GPRS communications
- ✓ Time zones, groups and holidays management for access control
- ✓ Events management (doctor, personal issues, etc...)
- ✓ Multi-language in text and audio



Specifications

Capacity

User capacity	30.000
Fingerprint Capacity	2.200
Log Capacity	80.000

Hardware

Platform	ZEM510
CPU	32bit ZK6001 Microprocessor 400MHz
Memory	32M RAM, 256M Flash
Sensor	ZK Optical Sensor
Relay contact	Electric lock, door sensor, exit button, alarm, door bell

Display

LCD	B&W LCD (4 lines)
LED Indicator	Red / Green

Environment

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

Power

Power	5V, DC 2A
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Communication

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

Fingerprint Algorithm

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

Languages

Available	All European languages
Maximum	3
Voices	Allowed

Keypad

Type	buttons keypad
Function Keys	4
Events Management	Up to 9.999

Dimensions

Dimensions	189x136x44mm (L x W x D)
Weight	1.47Kg

Firmware

O.S	Linux
Applications	T&A
SDK	Standalone SDK

Connectivity diagram

