

# SIGNTECH



SIGNTECH BIOMETRIC E.U.



## F4 Plus Access Control System

F4 Plus is a professional access control product, specially designed for the international high terminal access control market. In order to develop the China and Overseas Market access control market, it was officially released in August 2005. F4+ adopts American U.are.U sensor to collect the fingerprint images, the quality of the fingerprint identification is improved obviously, with ZK multi-engine Biokey algorithm, the identification speed increased one and a half times as before, ZK best fingerprint RIS(remote identification system) algorithm system is also the option for customer; identification speed can reach 7000-8000 per second.

### 2005 New Version Access Control Products on the Market completely

User capacity	1500
Transaction storage	50000
Algorithm	2005 Version ZK new algorithm
Hardware platform	ZEM200
Operating system	Linux
Fingerprint validation	1:1 / 1:N
Access	Fingerprint; ID+fingerprint; ID+password
Professional access control function	50 time zones; 5 groups of access control; 10 door-opening combinations; supporting multi-user; one-way alarm output; dismantlement alarm, threaten alarm. unlock illegally alarm, not block alarm
Electric lock control	10A/12VDC relay output
Other input & output	1 group of door sensor input; 1group of out door switch input
Communications	TCP/IP; RS485; RS232
Identification time	< =2 s
FAR	< =0.0001%
FRR	< =1%
sensor	U.are.U sensor
Short message	Able to send short message
Option	WEB management; ID card; Mifare card, RIS
Operating temperature	0°C-45°C
Operating humidity	20%-80%

Language	Simplified Chinese; Traditional Chinese; English
Size	150*145*38.5

**Benefits:**

- ❖ The algorithm of 2005 version has evident improvement on reliability, precision and speed, it can manage 1500 fingerprint templates within 2 sec.
- ❖ Built in strong 32 bit embedded fingerprint identification module ZEM200 (Linux/ RISC).
- ❖ EDK based on mainboard is a multifunctional current embedded Linux platform of developing standalone fingerprint products, able to meet most of market demand for embedding manner over fingerprint.
- ❖ Adopt U. are. U sensor, improving fingerprint identification.
- ❖ Send messages to specific person at a fixed time.
- ❖ Sleep function; closing down by software; setting on time switch on
- ❖ Supporting finger 360 degree identification, easy to use.
- ❖ Mainboard running 24 hours continually
- ❖ Voltage watching; watchdog timing function.
- ❖ Use EDK mainboard directly without MCU required to customize the clients' need easily and enhance competition advantage

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