

FS20 Fingerprint Access Control system



A X E Z E
Access Control Products

Overview



FS20 is a low cost fingerprint recognition access control device with full network control and local control modes of operation.

It can do a full-match on 500 fingerprints locally and unlimited number in network mode under the control of FAS.

With a standard Ethernet interface, FS20 can be connected via LAN/Internet under the control of a single Fingerprint Authentication Server (FAS) software running on Windows 2000/XP and Vista.

Items in package

1 x FS20 Unit
1 x Drivers and utilities CD
1 x Power supply

Specifications:

Modes of operation	Local or network
Wiegand interface	5 selectable output formats.
Serial Interface	TTL (for Remote Relay Unit FS30)
Ethernet interface	RJ45/10Base-T
Communication security	Encryption by Blowfish algorithm Key exchange by Diffie-Hellman algorithm.
Fingerprint image resolution	480x320 pixel, 500DPI
Light source	4 Infra Red LEDs
Finger scanning window	16mm x 24mm
Fingerprint recognition accuracy	FAR 10^{-6} FRR 10^{-2}
Identification method	Fingerprint only (1-to-N matching) PIN + Fingerprint (1-to-1 matching) PIN only
Number of fingerprints per user	3
Local memory	up to 500 fingerprints
Real Time Clock battery	CR1220 3V lithium cell
Operating temperature	-10 to +55 Degrees C
Display	122x32 dot matrix LCD with backlight.
User input & prompt	Keypad with 16 keys with back light, Buzzer Red and green LEDs
Door control:	Relay NC-COM-NO 12VDC/1.5A, Door sense switch input
Power supply (Supplied)	Input 100 - 240VAC 800mA Output 12Volt 2.5Amp
Power supply connectors	2.5mm DC socket (J3) Terminal Block (J2)
Weight	326g (complete package = 850g)
Size	140mm (W) x 110mm (H) x 41.5mm (D)
Enclosure	3mm thickness ABS
Colours available	black or silver