

FM200U USB Fingerprint Reader

STARTEK provides the newest and compact
Embedded Application Fingerprint module in 2008.

The FM200 supports the application under WinCE5.0 workspace now.



Presented by:



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➤ General Specification

Sensors	CMOS sensor
Scanning Speed	1/15 second
Image Resolution	500 dpi (H), 500 dpi (V)
Image Capture Format	0.5 " × 0.5 "(H * V)
Scanner Output Image Size	250 * 250 pixels (H * V)
Gray Level	8 bits/pixel, max 256 gray scales
Image Ratio of Length to Width	1 : 1
Scanner Interface Cable	Standard USB compliant cable
Power Supply	1 Watt (From USB port) (200mA, Standby: 60mA)
Minimum Hardware Requirement	P3 800MHz CPU or up,256 MB,USB1.1
Dimension	80mm(L) x 41mm(M) x 40mm(H)
Weight	100g
Distortion	<1%
Temperature (without external enclosure)	-20°C ~ 45°C
MTBF	>100000 operating hours or 5 years
Modulation Transfer Function	0.4 at 10 cycle/mm

Startek SDK PIV Plus

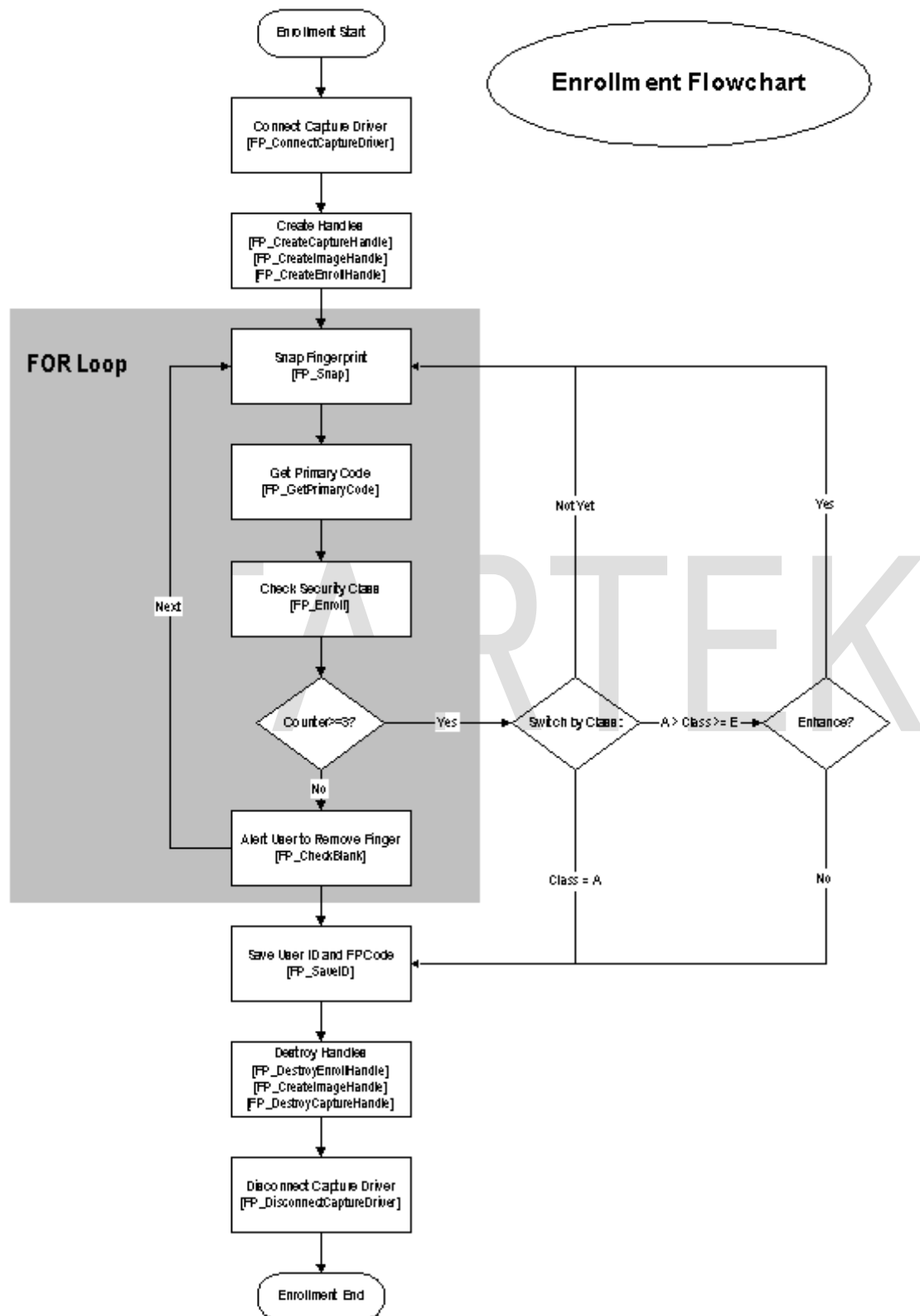
Minutia Size	< 1K bytes
Matching Speed	Less than 1 second
False Rejection Rate (FRR)	1/100 ~ 1/30
False Acceptance Rate (FAR)	1/100,000 ~ 1/1000,000
Allowable Fingerprint Rotation	± 35°
Allowable Fingerprint Displacement	± 5 mm
Software Platform	Windows 2000/XP/Vista, WinCE5.0
Functions of API (Application Interface)	Image Capture Enrollment Matching (FIPS201 certified)*

➤ Normal Working Snap Scene of SDK

POS, Kiosk, Panel PC, Access Control System, Time Attendance System, Medical Display, Elevator Management...etc that needs the personal authentication.

➤ **Process Flowchart**

The following diagram shows the simplified enrollment process flow :



The following diagram shows the simplified verification process flow :

