



Biometric Fingerprint Reader SYRDF5 + F6



SYRDF5 Fingerprint Biometric Reader

Proximity (2,000 cards) and fingerprint (1,000 templates) verification.

Chip-based sensor for livescan capturing of 3D fingerprint minutiae.

High accuracy and speed of Fingerprint identification.

High speed digital conversion and classification (1:N).

High protection of scratch and ESD (Electro Static Discharge).

Distinguishable audiovisual indication of tri-color LED and multi-tone beeper which can also be controlled individually by the host system.

Compatible with Wiegand 26/34/42 bits and RS485 format, or user format is available.

Self-test on reader power-up to verify the setup configuration and initialize reader operation.

All RF data transmission between the card and reader is encrypted.

Stand alone (Add/Del. Fingerprint enrolment via master card) or compatible with SYRIS NT

Compact design and elegant faceplate. Mounting on standard single gang electrical switch box.

Tamper switch built-in for vandal resistance. SYRDF5 1,000 SYRDF5-S 1,000 or higher TM

SYRDF5 Fingerprint Biometric Reader

Items / Specs	SYRD5-F	SYRDF5-B	SYRDF5-S
Number of fingerprint	1000	1000	1000
Fingerprint sensor	<p>Capacitive sensor in CMOS technology 224 x 288 pixels (513dpi) Data format 8bit/pixelESD protection2 15kV air discharge on the sensor surfaceMechanical resistance Hard surface provides protection gainstChemical resistance Enhanced resistance against most liquids, gases, sweat</p>	<p>The world's first pressure sensitive fingerprint sensor. The world,s first largest sensing area as a thin-shaped sensor. No influence in the water and drying at the sensing time. Human check device BHC-100 1/F, Quite low consumed electric current (sensing timepeak below 3mA), 256 x 384 pixels; 16.0 x 23.4 Window size.</p>	<p>Capacitive sensor in CMOS technology. 50-micron square pixels (508 DPI)+/- 15KV or intrinsix ESD resistance. 8 bit Microprocessor (RAM) InterfaceProtective coating provides better resistance to mechanical, chemical, liquids, gases, and sweat damages. Support Random Number Generation</p>
Card (Transponder)	SYRIS card (EM/Temic compatible), Option 13.56MHz Mifare1		
Read range	3cm ~ 10cm (Mifare:3cm~7cm)		
Card read time	0.2 sec (typical)		
ID	1-8 or 01-99		
Fingerprint read time (300 enrolled)	2 sec (OK) 5sec (BAD)		
Fingerprint read time (1,000 enrolled)	3 sec (OK) 8 sec (BAD)		
FAR	< 0.001%		
FRR	< 0.01%		
Indicator	3 LED		
Tamper switch	Built-in		
Output interface	RS 485 formats and Wiegand formatsTM		
Wiegand formatsTM	26 bits / 34 bits / 42 bits format		
RS485 formats	24 bits / 32 bits / 64 bits format		
Baud rate	19,200bps (4,800bps ~ 230,400 bps)		
Color	Gray		
Operating TEMP. / Storage TMP.	2 to 55 / -30 to 70		
Power supply	8V to 20V DC		
Dimensions(mm)	83W x 121H x 42.2D		