AFR8600 Series Biometric Readers
with Optical Sensor

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totallyintegrated**IP**security

The **AFR8600 Series** is a family of biometric fingerprint readers comprising of,

- AFR8620 Biometric Reader only
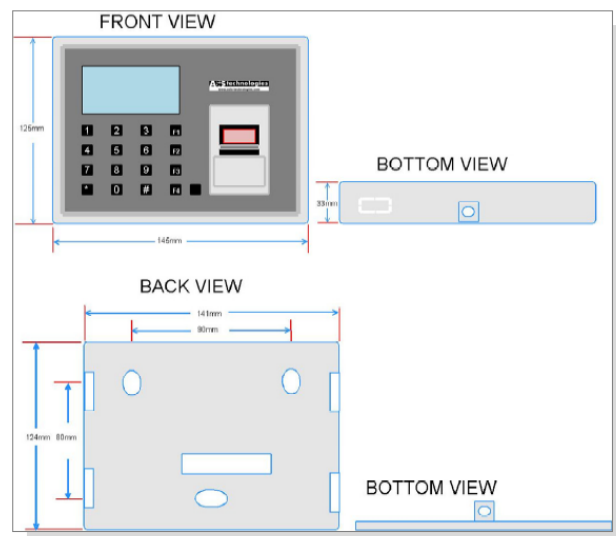
- AFR8630 Biometric Reader w/keypad & LCD

The AFR8600 Series Biometric Smartcard operates on a widely recognized industry 3-factor authentication for the highest level of security with the simultaneous authentication of WHO you are (fingerprint) , WHAT you have (card) and WHAT you know (PIN). This reader offers unmatched versatility that allows user authentication via (Fingerprint, Card and Pin), (Fingerprint and Card), (Fingerprint and PIN) and (Fingerprint only).

AFR8630

AFR8620

Key Features

- Integrated optical fingerprint sensor, contactless smartcard and keypad offer multiple combinations of fingerprint/card/PIN access modes for various levels of security requirements
- Supports up to 4,500 users with 2 fingerprint templates per user in fingerprint only mode
- Modern & elegant designer casing to suit any decor
- 1:1 and 1:N user authentication modes
- Rapid fingerprint verification of less than 2.0s
- Large LCD display for easy viewing (AFR8630W/R)
- Supports industry standard contactless smartcard read/write operations in compliance with ISO 14443 Type A

Mechanical Diagram

Technical Specifications

Specifications*	AFR8620W/R	AFR8630W/R
Description	Biometric Reader only	Biometric Reader w/keypad & LCD
Read Range	2"/50 mm	
Communication Interface	Wiegand 34-bits, Ethernet (Template Download)	
LED Indicator	Blue/ Red	Green/ Red
Buzzer	Multitone	
LCD Display	-	128 x 64 Graphics LCD with backlight
Keypad	-	17 Silicon keys with illumination
Sensor Type	Optical	
Sensor Array	272 x 320	280 x 320
Sensor Resolution	500 dpi	
Template Size	256 - 384 bytes	
Reader Technology	MIFARE (ISO 14443 Type A)	
Tamper Detection	Yes	
Users	4,500	
Event Buffers	32,768	
Fingerprint Templates	2 per User	
Verification	< 2s	
False Acceptance Rate (FAR)	0.001%	
False Rejection Rate (FRR)	0.01%	
Termination	Pigtail Cable	
Mounting	Surface mount	
Color	Black/ Silver	
Input Voltage	9 - 24 VDC	
Current Consumption	500 mA at 12 VDC max	1000 mA at 12 VDC max
Dimensions (H x W x D)	160 x 56.9 x 40.1 mm	125 x 145 x 33 mm
Weight	150 g	330 g
Operating Temperature	0˚C to 65˚C	0˚C to 55˚C

Specifications are subjected to changes without prior notice

Ordering Information

Model No.	Description
AFR8620W/R	AFR8600 Biometric Reader only
AFR8630W/R	AFR8600 Biometric Reader w/keypad & LCD
AFR8300-CES	AFR8300 FP Central Enrolment Station