

SF650 Specifications

Parameters	Conditions(or Descriptions)	Min	Max	Unit
Interface				
Ethernet Data rate	IEEE 802.3	10	100	M-bps
Ethernet Communication Distance	Standard CAT-5 Cable	100		M
RS485 Communication Distance	115200bps/ BELDEN-9841	150		M
Wiegand	26 bits / 24AWG	150		M
ABA-TK2	24AWG / 10 Digital	5		M
Mifare distance	Mifare 1K/4K @ 14.3~14.8MHz	2	5	cm
Mifare RF Transmit Power			100	mW
Fingerprint & Internal Database				
Sensor Type		Capacitive		
Sensor ESD protected	ambient temperature: 15~35°C relative humidity: 30%~60%	-12	+12	KV
Sensor Resolution		508		dpi
EER (Error Enroll Ratio)		<0.1%		
Verification time			1	second
Enrollment time	Enroll + Verify	2		second
Fingerprint Template Capacity			1900	
Fingerprint Security Level		Configurable		
Users Capacity			1050	
User ID		32	96	bits
Number of Records for Buffering			32	
Internet Protocol				
Inside Protocol	TCP, UDP, DHCP-Client, HTTP, SNMP, UPnP, Locator			
Inside Server	Web Server, GNetplus.NET			
Cloud Computing Functions	Javascript, AJAX, CGI, SSI			
Number of TCP connections			24	
Mifare Functions				
Data Source	CSN ONLY, DATA+CSN, DATA ONLY (Default CSN ONLY)			
Mifare Application Directory		MAD1	MAD2	
Standalone Supported	Card+Fingerprint, Manager Enroll Card, Multi-User Card			
Power				
Input Voltage	DC 9~20V	9	20	V
Power Consumption		Standby	Peak	
	DC 20V	90	110	mA
	DC 12V	150	200	mA
	DC 9V	180	220	mA
	DC 5V	280	350	mA
Web-Base Browser (for Administrator Utility Web Edition)				
Microsoft Internet Explorer		6.0	8.0	Version
FireFox		3.6.3		Version
Apple Safari		4.0.5		Version
Google Chrome		5.0.375		Version
Apple iPhone		1.1.x		Version
Google Android		2.1		Version

Configurable Security Level for FAR (Fail Acceptance Ratio)

Security Level	Verification (1:1)	Identification (1:N)			
		N=1~9	N=10~99	N=100~999	N>=1000
Normal	1/10,000	1/10,000	1/100,000	1/1,000,000	1/10,000,000
Secure	1/100,000	1/100,000	1/1,000,000	1/10,000,000	1/100,000,000
More Secure	1/1,000,000	1/1,000,000	1/10,000,000	1/100,000,000	1/100,000,000