Fingerprint Reader

Standalone Waterproof Reader

- Wiegand or RS-485 Interface to Reder
- TCP/IP to PC, Support for WAN Communication
- Touch Keyboard and LCD display
- Supports 30,000 Valid Cards and 150,000 Events
- Supports Card, Password, Fingerprint and a Combination of Credentials
- Add Devices in SmartPSS via P2P Connection
- Door Time Out, Intrusion, Duress and Tamper Alarms
- Anti-passback and Multi-card Open Options
- Supports 128 Efficient Time and Holiday Schedules

Technical Specification

System

Main Processor	32-bit
Flash Memory	32 MB

Input/Output Ports

Inputs	One (1) Door Sensor One (1) Exit Button One (1) Alarm
Outputs	Three (3) Alarm Relays (Door Lock, Bell, Alarm)

Card Reader

Format	13.56 MHz MIFARE
Range	3 cm to 8 cm (1.18 in. to 3.15 in.), maximum
Response Time	< 0.1 s

Fingerprint Reader

Response Time	≤ 0.5 s
Recognition Time	≤ 1.5 s
FAR	≤ 0.00004%
FRR	≤ 0.15%

Capacity

Card Holders	30,000
Events	150,000
Fingerprints	3000

Functions

Network	P2P, DHCP
Access Control	Anti Pass-back, Multi-interlock, Multi-card Unlock
User Management	General, VIP, Guest, Patrol, Black List, Duress
Alarm Functions	Door time-out, Intrusion, Duress,Tamper
Schedule Settings	Schedule: 128 Groups Period: 128 Groups Holiday: 128 Groups
RTC	Supported
Voice Prompt	Supported
Audible Indicator	Buzzer

Interface

To PC	RJ45 (10/100 Mbps)
To Reader	Wiegand 34/26, RS485

Certifications

Safety	EN 60950:2006+A2:2013 Conforms to UL Standards
Electromagnetic Compatibility (EMC)	FCC CFR 47 Part 15 subpart B EN 55022:2010/AC:2011 (Class B) EN 55024:2010, EN 50130-4:2011, EN 61000-6-3:2007/A1:2011 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2013, IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007 IEC 61000-4-4:2012, IEC 61000-4-5:2005, IEC 61000-4-6:2008, IEC 61000-4-8:2009 IEC 61000-4-11:2004

Electrical/Environmental

Power Supply	9 to 15 VDC, 200 mA
Operating Temperature	-5° C to +55° C (23° F to +131° F), 95% RH
Ingress Protection	IP65

Technical Specification

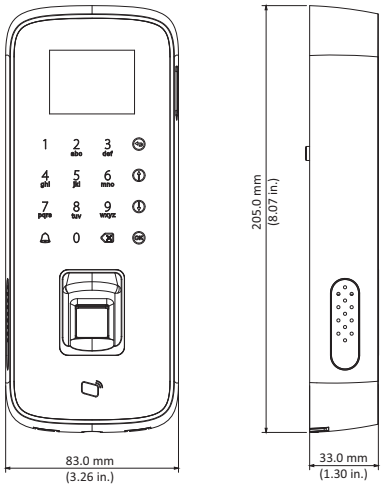
Construction

Dimensions	205.0 mm x 83.0 mm x 33.0 mm (8.07 in. x 3.26 in. x 1.30 in.)
Net Weight	0.44 kg (0.97 lb)

Accessory - IC Card

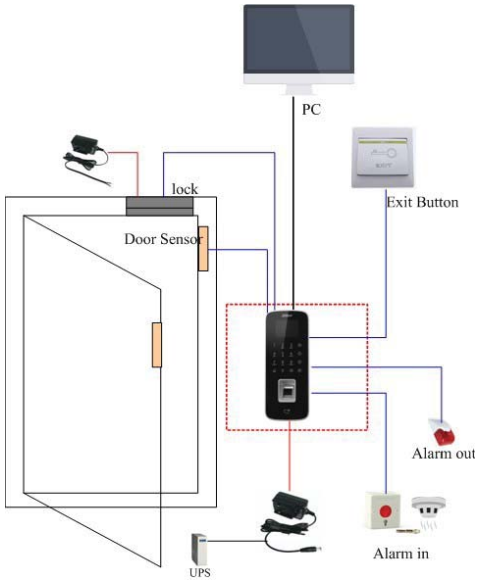
Model Number	MF11CS50
Standard	MIFARE S50, 13.56 MHz
Compatibility	ISO/IEC 14443A
Range	Approximately 10 cm (3.94 in.)
Dimensions	86.0 mm x 54.0 mm x 0.80 mm (3.39 in. x 2.13 in. x 0.03 in.)
Weight	0.006 kg (0.013 lb)
Manufacturer/Brand	Dahua

Dimensions (mm/in.)



Application

Small Office - One Door Controller



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