

Fingerprint Controller

Standalone Waterproof Controller



- Wiegand or RS-485 Interface to Reader
- 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	3.0 cm to 8.0 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 UL 60950-1 CAN/CSA C22.2 No. 60950-1-07
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 Requires a separate 12 VDC power supply.
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)

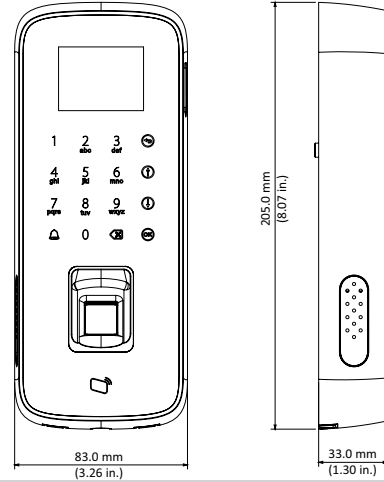
Accessory - IC Card

Model Number	IC-S50
Standard	MIFARE S50, 13.56 MHz
Compatibility	ISO/IEC 14443A
Range	Approximately 10.0 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

Accessory - IC Key Fob

Model Number	IC-SM
Standard	MIFARE S50, 13.56 MHz
Compatibility	ISO/IEC 14443A
Range	Approximately 10.0 cm (3.94 in.)
Manufacturer/Brand	Dahua

Dimensions (mm/in.)



Application

Small Office - One Door Controller

