Dahua
TECHNOLOGY

Access Reader and Controller
Waterproof Controller

- TCP/IP and WiFi Communication
- Supports Auto and P2P Registration and DHCP
- Switch Between Reader and Controller Functions
- Supports Various User Credentials – Guest, Patrol, VIP, and others
- Touch Keypad and 2.4-in. LCD Display
- Supports 30,000 Users, 30,000 Cards, 30,000 passwords, 3000 Fingerprints, 50 Administrators, and 150,000 Records
- Recognizes a Fingerprint in Less Than One (1) Second
- Supports Card, Password, Fingerprint, and a Combination of Credentials
- Door Time Out, Intrusion, Duress, Tamper, and other Alarms
- IP65 Ingress Protection

Technical Specification

System

Main Processor		High-performance Embedded Processor
Screen	Type	LCD
	Size	2.4-in.
	Resolution	240 (H) x 320 (V)

Input/Output Ports

RS485 Card Reader	One (1) Port
RS232	One (1) Port
Wiegand Card Reader	Input: One (1) Channel Output: One (1) Channel
USB	One (1) USB 2.0 Port
Alarm	Input: Two (2) Channels (digital quantity) Output: One (1) Channel (relay)
Doorbell	One (1) Port
Exit Button	One (1) Port
Door Status Detection	One (1) Port
Lock Control	One (1) Port

Card Reader

Format	IC Card, NFC Technology
Range	0 cm to 5.0 cm (0 in. to 1.97 in.)

Fingerprint Reader

Sensor	Capacitive Fingerprint Scanner
Comparison Time	1 s

Capacity

Users	30,000
Fingerprints	3,000
Cards	30,000
Password	30,000
Records	150,000 (unlocked records)

Functions

Unlock Mode	Card, Remote, Password, Fingerprint, or a combination of modes
Alarms	Anti Pass-back, Tamper, Duress, Door Sensor Time Out, Intrusion, Illegal Card, Duress Fingerprint
Access Control	First User Unlock, Remote Verification, Restricted/Trusted Lists, Multi-user Authentication, Multi-factor Authentication, Auto Registration
User Management	General, VIP, Guest, Patrol, Block List and others
Schedule Settings	Period: 128 Groups Holiday: 128 Groups
Voice Prompt	Supported
Audible Indicator	Buzzer

Network

Ethernet	RJ-45 (100 Mbps)
Protocol	IPv4, TCP, UDP, P2P
WiFi	2.4 GHz
Firmware Updates	Via USB or Online
Management Software	Smart PSS-AC, DSS Pro, DMSS

Certifications

Safety	EN 62368-1:2014+A11:2017
Electromagnetic Compatibility (EMC)	47 CFR FCC Part 15 subpart B, ANSI C63.4 EN 55032:2015+A11:2020 EN IEC 61000-3-2:2019 EN 61000-3-3:2013+A1:2019 EN 55024:2010+A1:2015 EN 50130-4:2011+A1:2014 EN 55035:2017+A11:2020 EN IEC 62311:2020 EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4.
Wideband Transmission Systems	EN 300 328 V2.2.2
Short Range Devices (SRD)	EN 300 330 V2.1.1

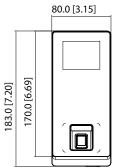## Technical Specification

Electrical/Environmental

Power Supply	12 VDC, 1 A Requires a separate 12 VDC power adaptor.
Power Consumption	≤ 12 W
Operating Temperature	−30° C to +65° C (−22° F to +149° F), 95% RH
Operating Humidity	10% to 95% Relative, non-condensing
Ingress Protection	IP65 (silicone sealant required)

Construction

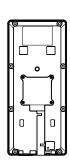|	
Material	PC + ABS
Dimensions (H x W x D)	
Product	183.0 mm x 80.0 mm x 25.50 mm (7.20 in. x 3.15 in. x 1.0 in.)
Packaging	248.0 mm x 143.0 mm x 66.0 mm (9.76 in. x 5.63 in. x 2.60 in.)
Net Weight	0.264 kg (0.58 lb)
Gross Weight	0.464 kg (1.02 lb)
Installation	Surface-mount (bracket included)

Ordering Information

Type	Part Number	Description
Access Control	DHI-ASI2212H-W	Waterproof Access Controller and Reader, TCP/IP and WiFi Communication
Accessories, optional	DEE1010B	Video Intercom Extension Module

Dimensions (mm/in.)

80.0 [3.15] 25.5 [1.00]

183.0 [7.20] 170.0 [6.69]