DHI-ECC02

Elevator Controller

Technical Specification

System

Main Processor	Embedded processor
Internet Protocol	IPv4;UDP;DNS;DDNS;TCP

Basic

Product Type	Elevator Controller
Buzzer	Yes
Casing Material	PC + ABS

Function

Verification Method	Card, password, fingerprint, QR code (platform mode)
Period List	128 periods
Holiday Period	128 periods (standalone mode)
Network Update	Yes
Peripheral Card Reader	Supports 2 × RS-485 card readers; 2 × Wiegand card readers
Web Configuration	Yes

User

User (Card) Type	General user, VIP user, patrol user, guest user, blocklist user, other users, custom user 1 and custom user 2

Capacity

User Capacity	10,000 (Standalone mode);30,000 (Platform mode)
Fingerprint Capacity	10,000
Card Capacity	10,000 (standalone mode), 30,000 (platform mode)
Record Capacity	300,000

- Built of flame-retardant PC and ABS material, it is both sturdy and elegant with an IK06 rating.
- Supports TCP and IP connection, and standard PoE.
- Accesses readers through Wiegand (wiegand 34) and RS-485 protocols.
- Supports platform mode and standalone mode. You can perform configurations and management through DSS Pro in platform mode and through the webpage of the elevator controller in standalone mode.
- Platform mode: Supports 30,000 users, 30,000 cards or QR codes, 10,000 fingerprints, 30,000 passwords, and 300,000 records.
- Standalone mode: Supports 10,000 users, 10,000 cards, 10,000 fingerprints, 10,000 passwords, and 300,000 records.
- Offers multiple types of alarms such as the duress, tamper, blocklist for elevator controller, and offline alarms for the elevator control module.
- Up to 128 floors can be controlled through the elevator control module, and up to 8 elevator call modules and 8 elevator control modules can be connected.
- Retains stored data even while powered off.
- Devices can also be updated through the webpage.
- Watchdog protects the system to allow the device to be stable and perform efficiently.

Password Capacity	10,000 (standalone mode), 30,000 (platform mode)

Port

RS-485	3
Wiegand	2 × input
Network Port	1 × RJ-45 10/100 Mbps Ethernet port
Alarm Input	2 digital input
Alarm Output	2 digital input
Alarm Linkage	Yes

Alarm

Tamper Alarm	Yes
Blocklist Alarm	Yes
Duress Alarm	Yes

Duress Card	Yes
Duress Password	Yes
Duress Fingerprint	Yes

General

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Power Supply	12 VDC, 2.5 A; PoE (802.3at)
Protection	IK06
Power Consumption	Standby Power (no peripheral devices) ≤2 W Working Power: Total power budget if powered by DC: 1700 mA at 12 V for peripheral devices (readers etc.) Total power budget if powered by PoE: 1200 mA at 12 V for peripheral devices (readers etc.)
Product Dimensions	186.4 mm × 185.8 mm × 58.3mm (7.34" × 7.31" × 2.30") (L × W × H)
Packaging Dimensions	254 mm × 243 mm × 86 mm (10.00" × 9.57" × 3.39") (L × W × H)
Operating Temperature	−10 °C to +55 °C (+14 °F to 131 °F)
Operating Humidity	5%–95% (RH), non-condensing
Operating Environment	Indoor
Gross Weight	0.99 kg (2.18 lb)
Installation	Surface Mount; Guide Rail Mount
Certifications	CE

Application

Platform Mode
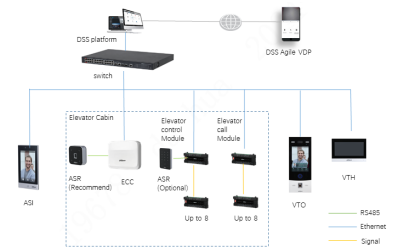
Standalone Mode
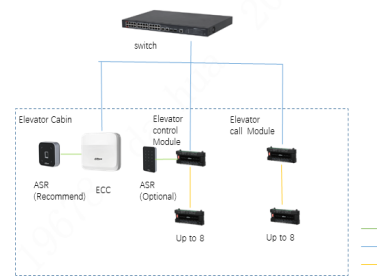
Ordering Information

Type	Model	Description
Elevator Controller	DHI-ECC02	Dahua Elevator Controller

Dimensions (mm[inch])