MEGMEET

Integrated Elevator Control Cabinet

Transformation to High Efficiency and Intelligence

Power Solutions

☐ Telecom Power ☐ Server Power ☐ Electric Power ☐ Medical Power ☐ Display Power ☐ LED Power
☐ Laser Power ☐ OA Power ☐ Flat Panel Power ☐ Bi-directional Inverters for Portable Power
☐ Solar & BESS & EV Charging Solution

Industry Automation

☐ Servo System ☐ Control System ☑ Elevator Controller ☐ Linear Motors ☐ IOT Solution ☐ Encoder
☐ Variable Frequency Drive ☐ Internal Gear Pump

New Energy Solutions

☐ Multiplexed EV Charging System(OBC & DC-DC) ☐ Power Electronic Unit(2-in-1, 3-in-1)
☐ E-Compressor ☐ TV EDU ☐ Motor Control Unit ☐ Construction Machinery Controller
☐ Intelligent Active Hydraulic Suspension (i-AHS) ☐ Railway A/C Controller ☐ Railway VFD
☐ Light Electric Vehicle Controller ☐ Thermal Mgmt. System

Home Appliance Control Solutions

☐ Residential A/C Controller ☐ Commercial A/C Controller ☐ Heat Pump Controller
☐ Vehicle A/C Controller ☐ Solar A/C Controller ☐ Mini Compressor Controller
☐ Refrigerator Controller ☐ Washer/Dryer Controller ☐ Residential Microwave
☐ Industrial Microwave ☐ Smart Bidet ☐ RF Thawing System

Precision Connection

☐ FFC ☐ FPC ☐ Coaxial Cable ☐ CCS ☐ Litz Wire ☐ Peek Wire

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Megmeet reserves the right to modify the technical parameters and
appearance of the products in this catalogue without prior advice to the users.

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Global Leading Solution Provider In Electrical Automation

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ABOUT MEGMEET

MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include Power Solutions, Industrial Automation, New Energy Solutions, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.

MEGMEET has established a robust R&D, manufacturing, marketing, and service platform, with over 7,300 employees worldwide. MEGMEET's global presence includes R&D Centers in China, Germany, and the United States; Manufacturing Centers in Thailand, India, and China; and Regional Offices across North America, Europe, and Asia.

MEGMEET is committed to creating a cleaner living environment for all human beings through more efficient energy utilization and improved manufacturing efficiency. MEGMEET aims to become the world leader in electrical automation and achieve the goal of MEGMEET EVERYWHERE.

2600+
R&D Staff

10
R&D Centers

8
R&D Manufacturing Bases

7300+
Total Employees

1700+
No. of Patents & IP Rights

R&D CAPABILITY

Sustainable R&D Investment

R&D Investment	Patents & Industry Standards
R&D Employees **>2600**	No. of Patents & IP Rights **1700+** ▲ 150+ new in 2023
Percentage of Total Employees **35%**	National & International standards **23** ● 5 lead author
Percentage of Total Sales **>11%**	Industry Standards Drafted **27** ● 16 lead author
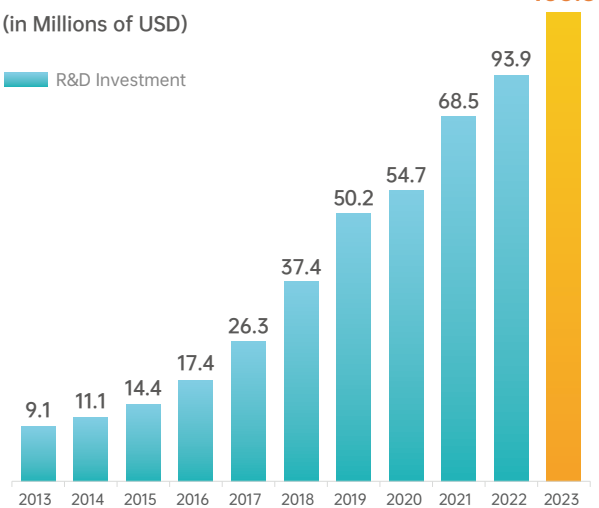
R&D Investment
(in Millions of USD)

■ R&D Investment

106.5

Year	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Investment	9.1	11.1	14.4	17.4	26.3	37.4	50.2	54.7	68.5	93.9	106.5

Percentage of Total Sales:

| 13.77% | 12.13% | 11.93% | 10.98% | 11.81% | 10.52% | 9.42% | 10.90% | 11.09% | 11.55% | 11.41% |

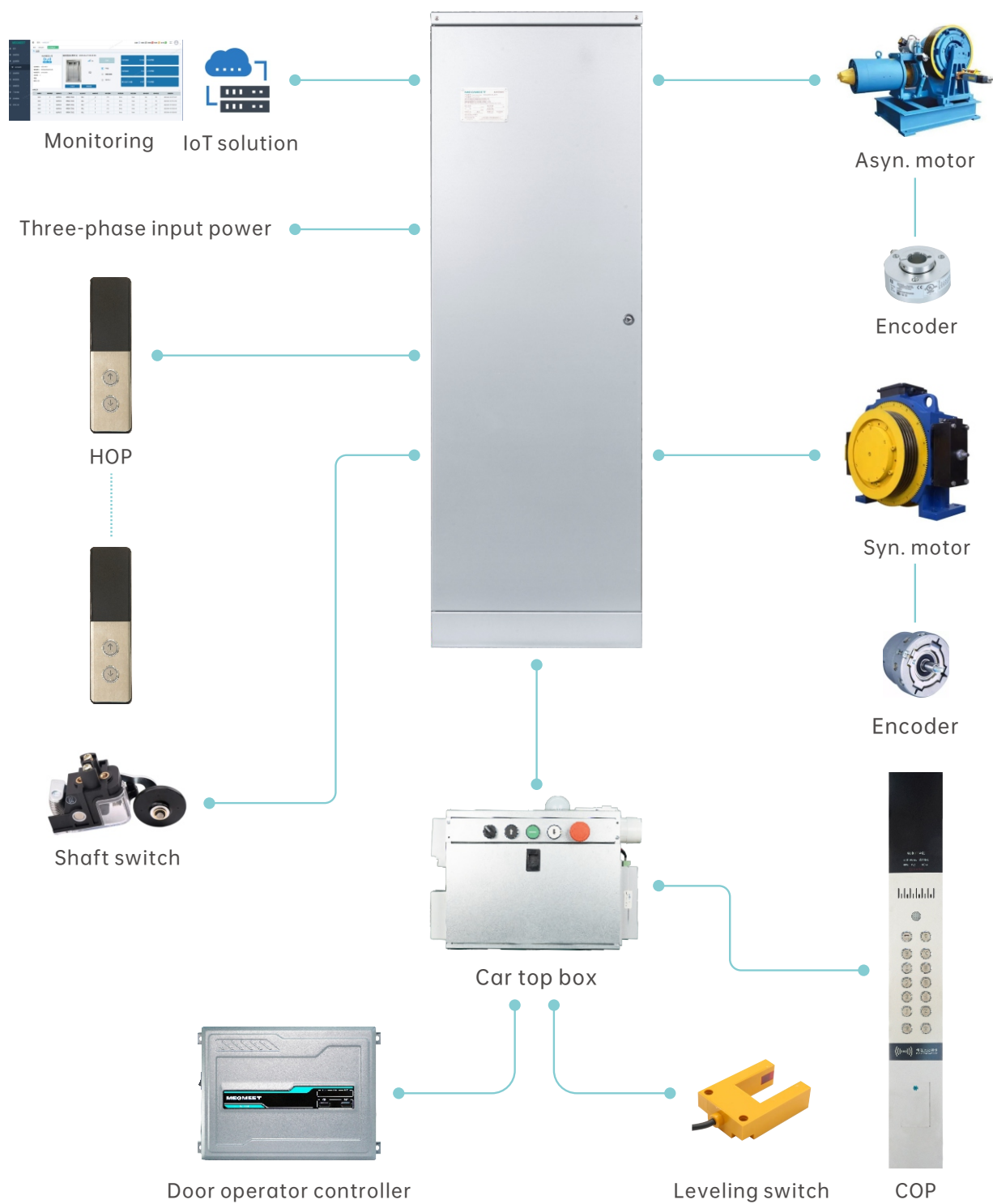## Testing Capabilities & Management System

MEGMEET's testing capabilities and management system have been certified by CNAS, TUV, UL-WTDP, & UL-CTF. MEGMEET's test results are recognized globally.

Electrical Control Solution for Elevators (Integrated Cabinet)

Monitoring

IoT solution

Three-phase input power

HOP

Shaft switch

Car top box

Door operator controller

Leveling switch

COP

Asyn. motor

Encoder

Syn. motor

Encoder

Integrated Elevator Control Cabinet

⚑ Product Features

Advanced

- High-performance drive platform, with a dual-CPU framework
- Leading parallel control of 2 elevators and group control up to 8 elevators
- Cutting-edge vector control with great motor speed regulation, improving the riding comfort

Intelligent

- Direct-to-floor distance control, deriving smooth N velocity profiles automatically
- Innovative no-load-cell start compensation technology, compatible with different encoders, achieving smooth elevator start

Integrated

- Modular design, each module easy to disassemble and replace
- Integrated with advanced CANbus, Modbus and IoT communication

Convenient

- Offers guidance for on-site elevator commissioning
- Provides various commissioning tools, including PC host software, operating panel and mobile phone App
- Beautiful appearance and impressive panel design
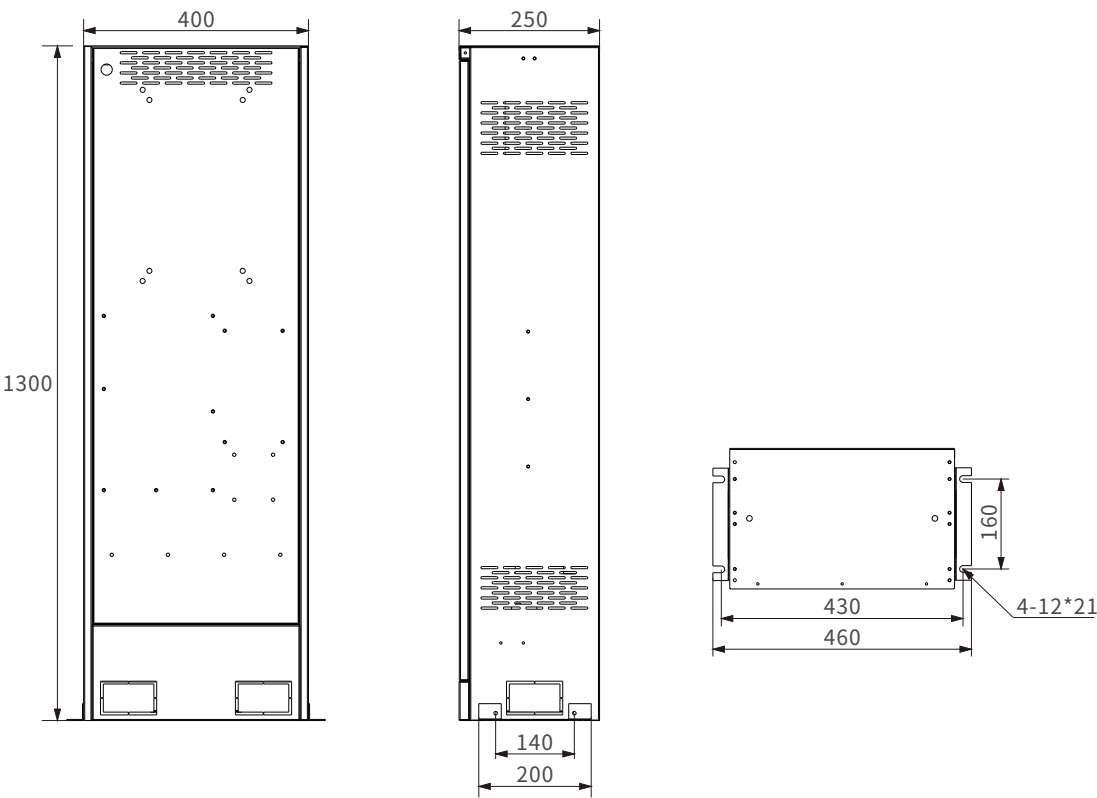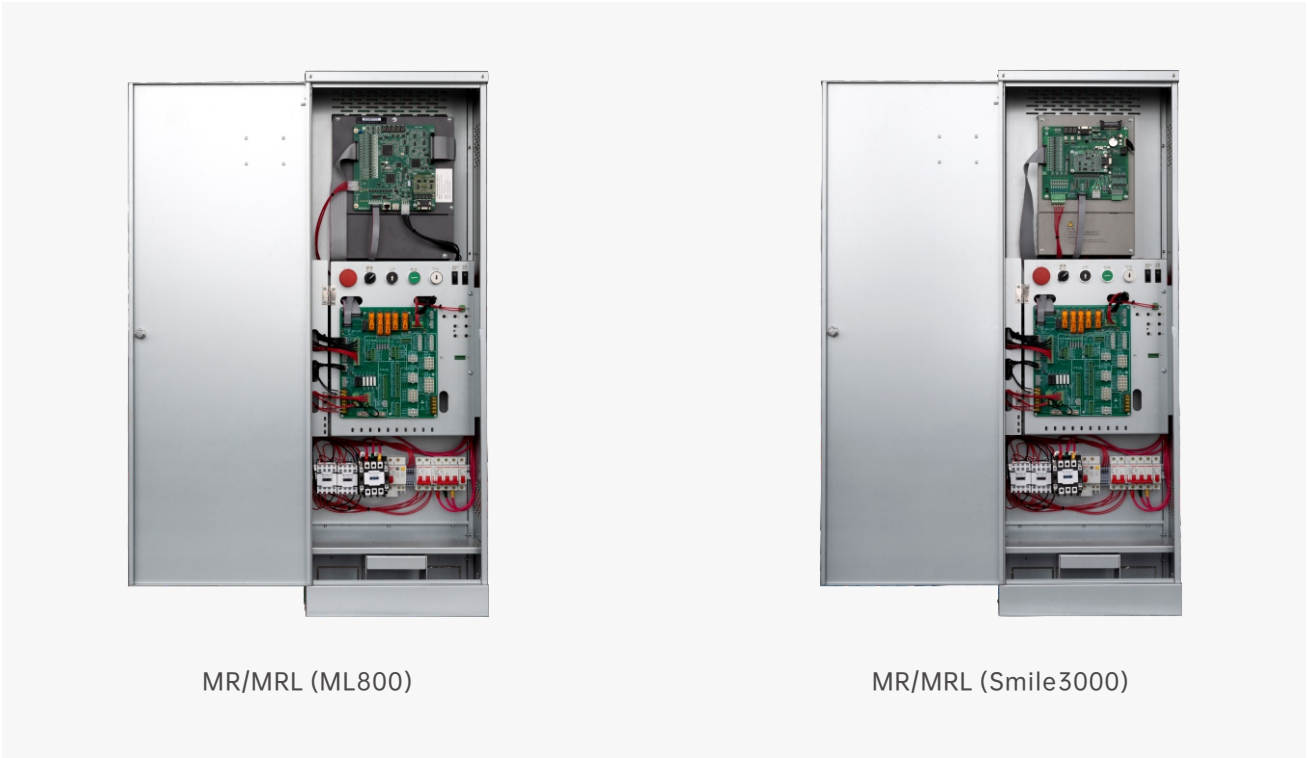
⚑ Naming Rule

Smile3000 - M - 4 075

1 ② ③ ④

① Product series	② Cabinet type	③ Voltage class	④ Power rating
Smile3000 series	Cabinet type	4: Three-phase 380 V AC	(5.5 to 75 kW) 075: 75 kW

Product Dimensions

Model	Dimensions (mm)	Installation method
5.5 to 15 kW	1300 x 400 x 250	Wall-mounted/Floor-mounted
18.5 to 22 kW	1300 x 400 x 250	Floor-mounted
30 to 37 kW	1300 x 400 x 250	Floor-mounted

MR/MRL (ML800)

MR/MRL (Smile3000)

Mobile Phone App

Elevator IoT Solution
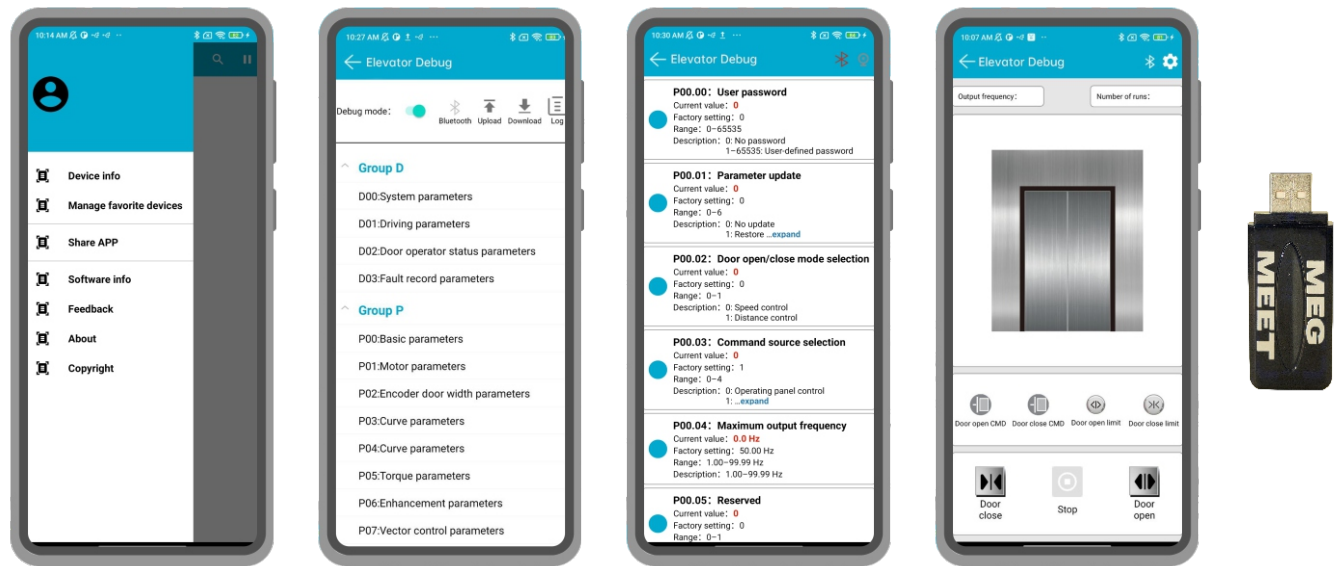
- Monitoring terminal
- Remote monitoring computer
- Mobile phone
- Internet
- Internet
- Switch
- Internet
- Data center Monitoring center computer
- Server
- Monitoring center
- Elevator on site
- Elevator 1 Elevator 2 Elevator N
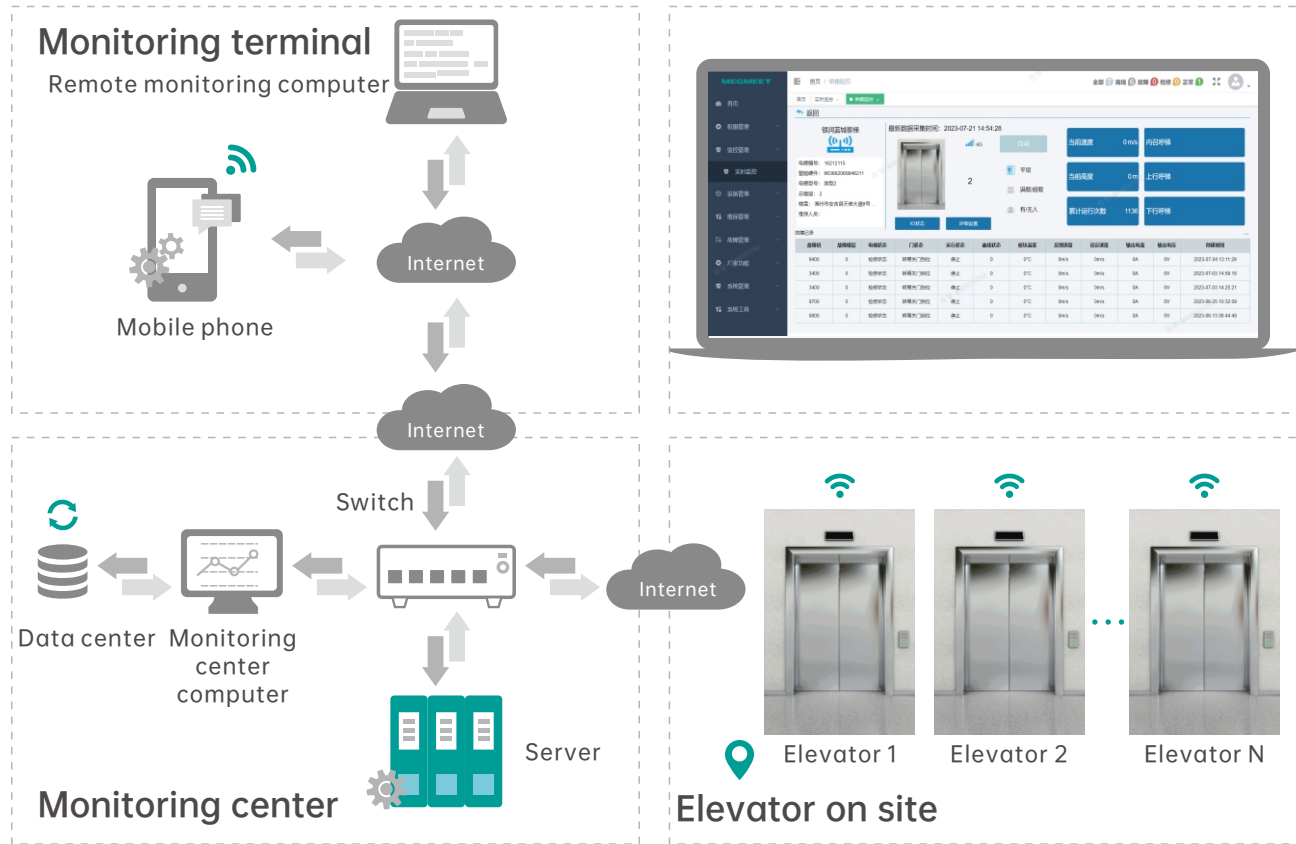
Elevator IoT Module

Product Overview

Model	Dimensions (mm)
Smile-IOT 4G	123.2 x 115 x 26.8 (H × W × D)

Product Features

Smile-IOT is used for monitoring the elevator system, which can **collect running parameters, transmit information and trigger alarm automatically**. The maintenance personnel can **monitor the elevator running status remotely in real time** through the Megmeet elevator IoT platform.
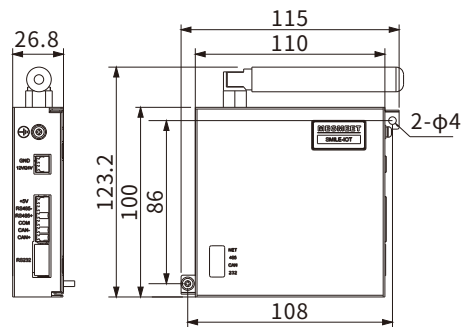
Terminal and Indicator Description

Terminal		Function description
GND/12V/24V	12 V or 24 V power	External 12 V or 24 V DC input
RS485-/RS485+	485 communication	485 communication with elevator control system
COM/5V	+5 V power	+5 V backup power output
CAN-/CAN+	CAN communication	CAN communication with elevator control system
RS232	232 communication	232 communication with elevator control system

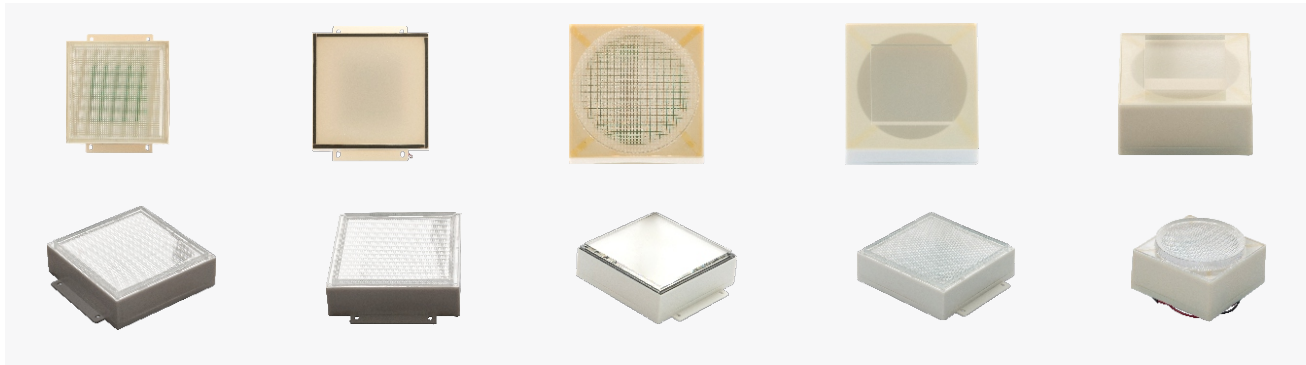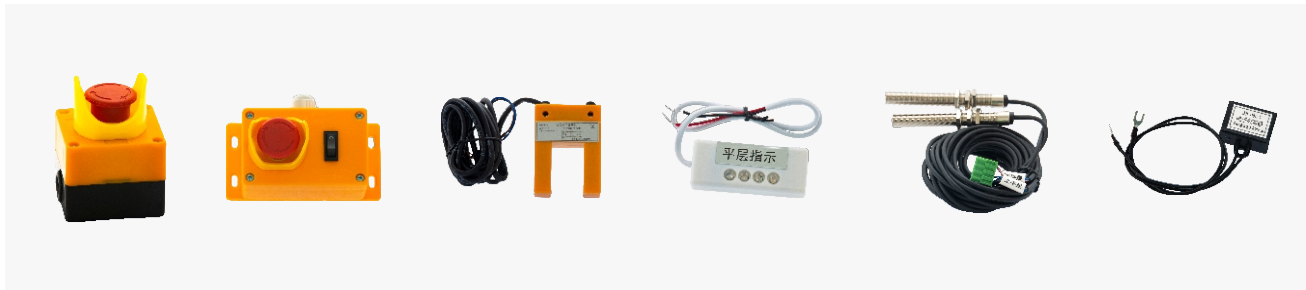| Indicator	
NET (Green)	Flashing slowly (200 ms on / 1800 ms off): Searching for network Flashing slowly (1800 ms on / 200 ms off): In standby Flashing quickly (125 ms on / 125 ms off): Transmitting data
485 (Green)	Flashing: Normal communication Off: Communication disconnected
CAN (Green)	
232 (Green)	

Other Accessories

✔ HOP/COP

✔ Lights

✔ Switches/Emergency Stop Buttons...

✔ Hall Inspection Boxes, Intercoms, Alarm Bells...
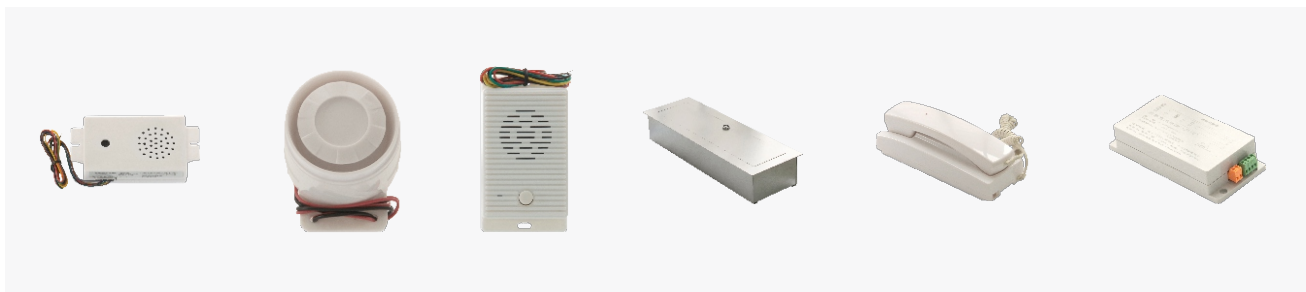
Business Applications

✔ Case 1: A company's manufacturing base

Site: Company base
Picture: Control cabinet, car operation box

Brief overview

Address	Heyuan city (Guangdong province)
Elevator brand	IFE Elevator
Elevator speed, load	0.5 m/s 3000 kg
Type	Freight elevator

Product	Model
Control cabinet	Smile3000-M-4015
COP	COP-Y01
HOP	HOP-G01
Car top inspection box	Smile3000-CTH-B01
Pit inspection box	Smile3000-PTB-B01

✔ Case 2: a company's office building

Site: Company office building
Picture: Control cabinet, car operation box

Brief overview

Address	Chaozhou city (Guangdong province)
Elevator brand	LINGAO Elevator
Elevator speed, load	1 m/s 1000 kg
Type	Passenger elevator

Product	Model
Control cabinet	Smile3000-M-4015
COP	COP-Y01
HOP	HOP-G01
Car top inspection box	Smile3000-CTH-B01
Pit inspection box	Smile3000-PTB-B01