

# IoT Controller Demo Set

## - Smart Energy Management Showcase

### System Overview

#### Main Components

##### No.1 IoT Controller (ACTA208)

- The "brain" of the system
- Processes sensor data and executes automation rules
- Controls 8 relay outputs (K1-K8)
- Connects to the network for remote access and work with AMS.

##### No.12 ACTAtek device(AT-1K-FA-FSTA-WI-P)

- 1K Users; PIN, Facial, Fingerprint, 13.56MHz Mifare, NFC, Cepas, Felica, DesFire & HID iClass (Read Card S/N Only) and third party cards, QR code recognition with CMOS Camera for photo and video

#### Sensors

- **No.3 Temperature & Humidity Sensor:** Monitors ambient conditions
- **No.4 AQI Sensor:** Measures air quality (CO<sub>2</sub>, PM2.5, VOCs, etc.)
- **No.6 Lux Sensor:** Detects light intensity

#### Control Devices

- **No.2 Touchscreen Wall Switch:** Manual control interface
- **No.5 IR Blaster:** Controls IR-remote appliances
- **AMS Software:** Remote monitoring and configuration

#### Outputs

- **No.9 8x Circuit Indicators (K1-K8):** – show the status of each circuit. In real installations, they are not required; included only for demonstration purposes only. **Not Relays**

