Access Control
Video Surveillance
Payroll
Time Attendance
Workforce Management

ESG Governance & Net Zero 2050

Scalability & Sustainability

Smart Home Solution

Jakin ID

ACTAtek GreenTech for security, people and IoT ID management

The ACTAtek Demo Case set is crafted to showcase the capabilities of ACTAtek's products and solutions. It offers multi factor authentication with fingerprint, multi RFID cards, facial,and QR code as credentials.

It's also a CCTV at your door capturing live video and taking pictures as part of the event log securing your business and intelligent building.

The ACTAtek device is secured with advanced TLS 1.3 256-bit encryption and receives regular updates to safeguard against cyber security threats.
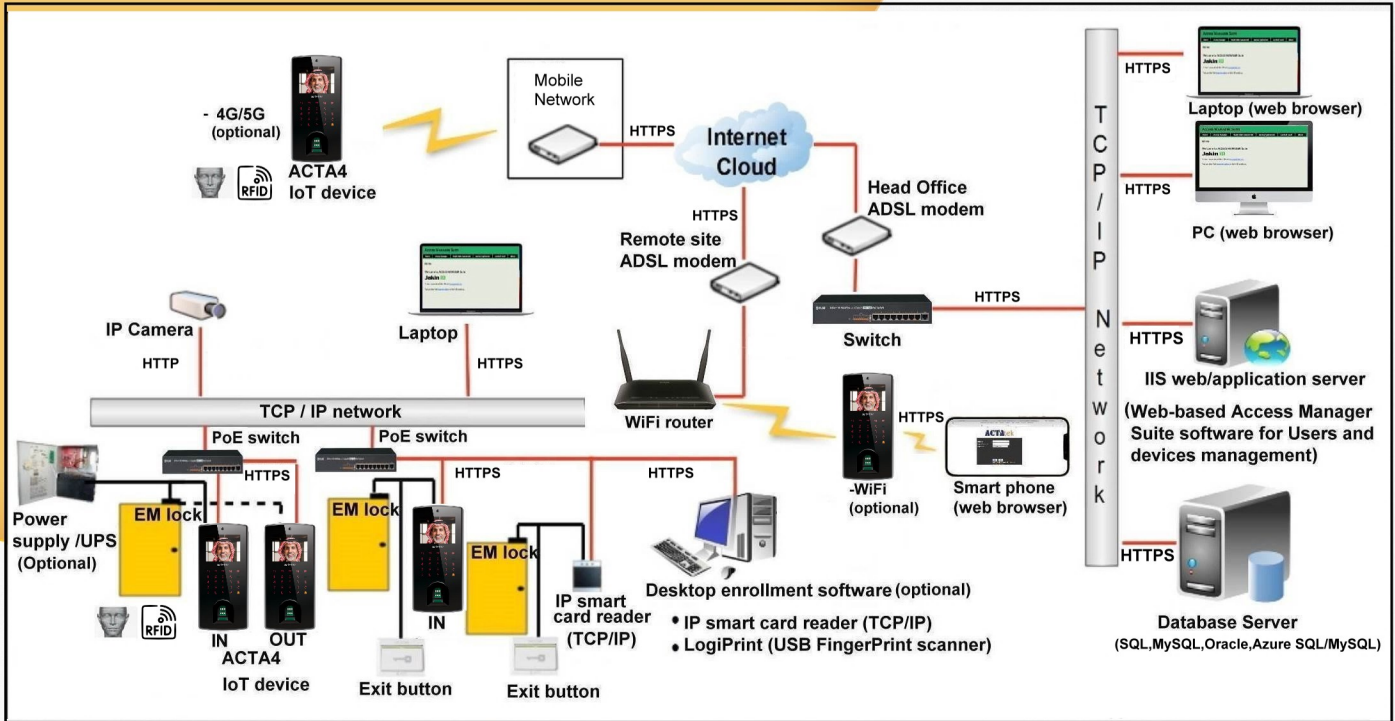
The IP65 rating ensures the device can withstand outdoor installations.Additionally, the IK10 casing ensures high resistance to physical impact, enhancing the security and durability of the device.

To further enhance security, the device includes Google 2-Factor Authentication, providing an extra layer of protection for user access. Integration of QR codes offers easy access to the device,and simplifies the user experience.

No more cabling saving carbon footprint to achieve ESG and NetZero objectives with WiFi or LAN cable connectivities.

FC CE IK10 IEC 62368-1 WiFi
IP65(Water Proof& Impact Resistant)

Access Control / Time Attendance

Jakin ID

System diagram showing network topology including ACTA4 IoT device (4G/5G optional), Mobile Network, Internet Cloud, Head Office ADSL modem, Remote site ADSL modem, Switch, WiFi router, IP Camera, Laptop, TCP/IP network, PoE switches, EM locks, Power supply/UPS (Optional), IN/OUT ACTA4 IoT device, Exit buttons, IP smart card reader (TCP/IP), LogiPrint (USB FingerPrint scanner), Desktop enrollment software (optional), Smart phone (web browser), Laptop (web browser), PC (web browser), IIS web/application server (Web-based Access Manager Suite software for Users and devices management), Database Server (SQL, MySQL, Oracle, Azure SQL/MySQL). Connections labeled HTTP/HTTPS.

Standard Features

Model Options: A-1K-FA-FSTA-WI

Feature	
Fingerprint enrollment	✓
Built-in smartcard reader	✓
Facial recognition with camera	✓
QR code authentication with camera	✓
Live detection	Optional for Fingerprint
Built-in web and database server	Web-Based
Number of users	1,000 users
Number of Event Logs	1,000K (FIFO when is full)
Static IP address assignment	✓
Dynamic IP address assignment	✓
Power Over Ethernet (Built-in)	Optional(IEEE 802.3af/at/bt)
Valid characters for employee ID	0-9, A-C (max. 16 characters)
Programmable function keys support	F1,F2,F3,F4
Authentication time	< 1 second
FingerPrint Users capacity	1,000(1:1) / 1,000 (1:N)
Face Users capacity	1,000(1:1) / 1,000 (1:N)
Alert	by email and SMS, LCD message displayed
WiFi	IEEE 802.11 a/b/g/n/ac
IP Intercom	SIP,VoIP Intercom
SIM card 4/5G/LTE	Optional
IP smart card reader (A4ER-1K-STA)	1K Users; 13.56MHz MiFare Desfire, SONY Felica,Singapore CEPAS HID iClass (Read Card S/N Only) ,and third party cards.
ACTAtek IO board (I/O Box)	2 x door strikes 1 x door sensor 1 x door switch 1 x 26bit wiegand output

Model Options: A-1K-FA-FSTA-WI

Feature	
Cyber Security	✓ HTTP/HTTPS encrypted communications ✓ TLS1.3 256-bit with periodic updates ✓ IP range restrictions ; Allowed IP ✓ OWASP VAPT report (Vulnerability Assessment and Penetration Testing)
Remote Enrollment (FingerPrint/Facial/Smart Card/PIN)	✓
Remote Clock-in-out	✓
SNMP support (Simple Network Management Protocol)	Optional
Multi-lingual support	✓
Network interface (Built-in)	1,000 BaseT Ethernet
I/O interface	- RS-232 / RS-485 - Wiegand output (26bit)
Operation temperature	-40°C to 60°C
RFID cards support (*Smart Card model)	HID iClass(CSN) MIFARE, MIFARE Plus MIFARE DESFire EV1/EV2 SONY FeliCa SINGAPORE CEPAS NFC (*depending on mobile phone model)
Modes of authentications (depending on device model: single or multi-factor authentication)	Facial,FingerPrint,Smart Card,QR code,PIN Facial+FingerPrint ;Facial+QR code Facial+Smart Card ;FingerPrint+Smart Card QR code+*Google Passcode+Facial QR code+*Google Passcode+FingerPrint Smart Card+PIN *Google Authenticator App is required for Google Passcode
Relay/Door Switch/Door Bell	1 relay /1 door switch/1 door bell
Safety standard/Casing	CE ,FCC ,IK 10 ,IEC 62368-1 IP65-fluid ingress,dust,salt,fog protection
Product Life Cycle	Minimum 10 years
Standards	**FingerPrint:**ISO 19794-2 template, ANSI/INCITS 378 template , MINEX III PIV level 2 compliant, FBI Certified WSQ , STQC, ISO 19794-4 image **Facial:**ISO/IEC 19794-5-2006,Image(FFI):ISO/IEC 19794-5