

ACTATEK

"Introducing Actatek - Your Complete RFID, Biometric, IoT All-in-One Reader Solution"

We specialise in utilising **advanced edge AI** and **IoT** technologies to provide sustainable, **ESG** and **NetZero 2050** compliant, state-of-the-art ID management solutions. Our open and scalable systems are designed for access control, people management, and smart city applications.

- ✓ **Access Control**
- ✓ **Video surveillance**
- ✓ **Payroll**
- ✓ **Time Attendance**
- ✓ **Workforce Management**

Experience the convenience of a platform as intuitive as online banking. Effortlessly control all applications via any internet browser on your desktop, laptop, or smartphone.

Boost your business operations with the integration of Actatek all-encompassing IoT solutions. Harness the power of **facial recognition, fingerprint scanning, QR codes, and RFID technology** to provide either single or multi-factor authentication within your workplace.



- Wireless connection by WiFi and SIM cards
- Advanced data protection: TLS 1.3 256-bit encryption
- Regular updates: enhance network security
- Optional PoE capability: reduced wiring + cost
- Single CAT5-6 cable connection
- Online maintenance service: cut down on on-site visits and travel expenses
- IP65 rating
- IK10 rated for impact proof

- **Future-proof**
 - Periodic online updates of functions, features, and security patches.
- **Horizontal add-on modular approach**
 - Accommodates evolving business ensuring sustainability

ESG FRIENDLY

Actatek's Net Zero 2050 objectives and ESG principles offer significant alignment with insurance companies, providing mutual benefits.



Openness



Scalability



Sustainability



User-friendliness

Actatek is deeply committed to enhancing environmental sustainability and fostering innovation in the realm of technology. Through a dedicated focus on developing cutting-edge solutions, Actatek aims to address pressing environmental challenges and promote a greener future.



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STANDARD FEATURES

Standard Features

Model Options:

	Facial	Fingerprint	Smartcard	Fingerprint + Smartcard	Keypad
Fingerprint enrollment	Optional	✓	Optional	✓	Optional
Built-in smartcard reader	Optional	Optional	✓	✓	Optional
Facial recognition with camera	✓	Optional	Optional	Optional	Optional
QR code authentication with camera	✓	Optional	Optional	Optional	Optional
Live detection	Optional for Fingerprint				
Built-in web and database server	Web-Based				
Number of users	1,000 users to 250,000 users (maximum)				
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	150,000 (1:1) / 20,000 (1:N)				
Face Users capacity	150,000 (1:1) / 50,000 (1:N)				
Alert	by email and SMS, LCD message displayed				
WiFi (Optional)	IEEE 802.11 a/b/g/n/ac				
SIM card 4/5G/LTE	Optional				
IP Intercom (Built-in)	Optional (SIP, VoIP Intercom)				

Body Temperature Sensor (Temsen) (Optional)

Specification:
 Power supply: 12VDC from ACTatek device
 Measuring range: 35.0 C - 42.8 C
 Fever alert: 38.0 C - 42.8C Red LED Blinks
 Measuring distance: 100mm - 250mm
 Accuracy: +/- 0.2C
 Speed: 600mS
 Interface: RS232

Model Options:

	Facial	Fingerprint	Smartcard	Fingerprint + Smartcard	Keypad
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)	EM ,HID Proximity 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, STOC, ISO 19794-4 image Facial: ISO/IEC 19794-5-2006,Image(FFI),ISO/IEC 19794-5				

