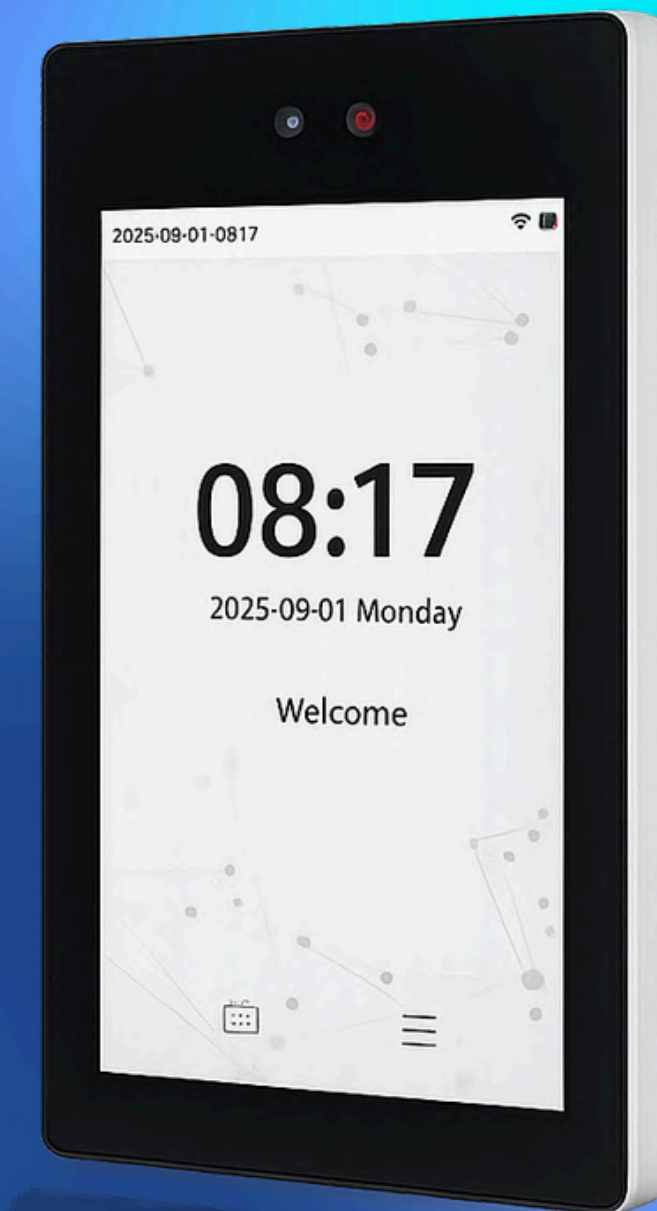
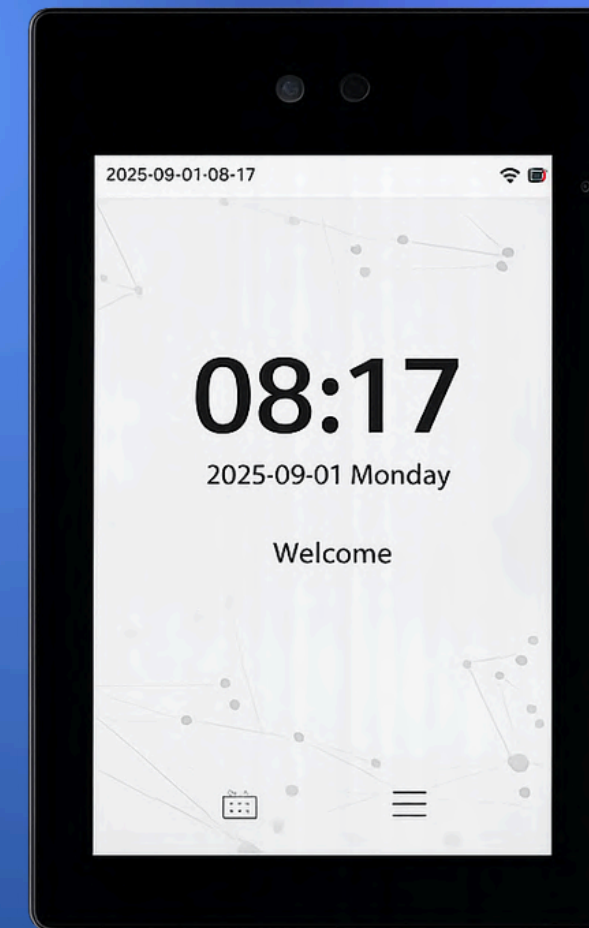


ProFace X

*Advanced Face Recognition Time
Attendance Device from ZKTeco with
Support for up to 30,000 Face Templates*



Ultimate Power, Massive Capacity & Industrial Resilience

Heavy-Duty Biometrics: ProFace X is a fully upgraded facial recognition terminal engineered to handle extreme environments and high-traffic scenarios. Powered by a customized 1.2GHz Quad-Core CPU, it supports a massive capacity of up to 30,000 facial templates with a lightning-fast verification speed of under 0.09 seconds.

Built tough to survive outside and resist damage: Rated IP68 for dust and water resistance and IK04 for impact protection, ProFace X is built to perform reliably in extreme conditions, from -30°C to 60°C, making it a rugged choice for outdoor gates, factories, and job sites.

Intelligent Sensing & Surveillance: Equipped with a microwave detector for auto-wake up within 2.5 meters and a 2MP starlight camera capable of recognizing faces in extreme low-light or direct sunlight 0.5 lux – 50,000 lux. It also integrates ONVIF protocols for standard video surveillance recording.

MEET THE *PROFACE X*



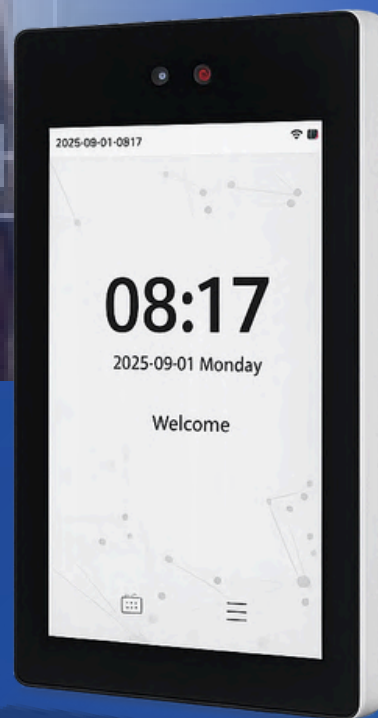
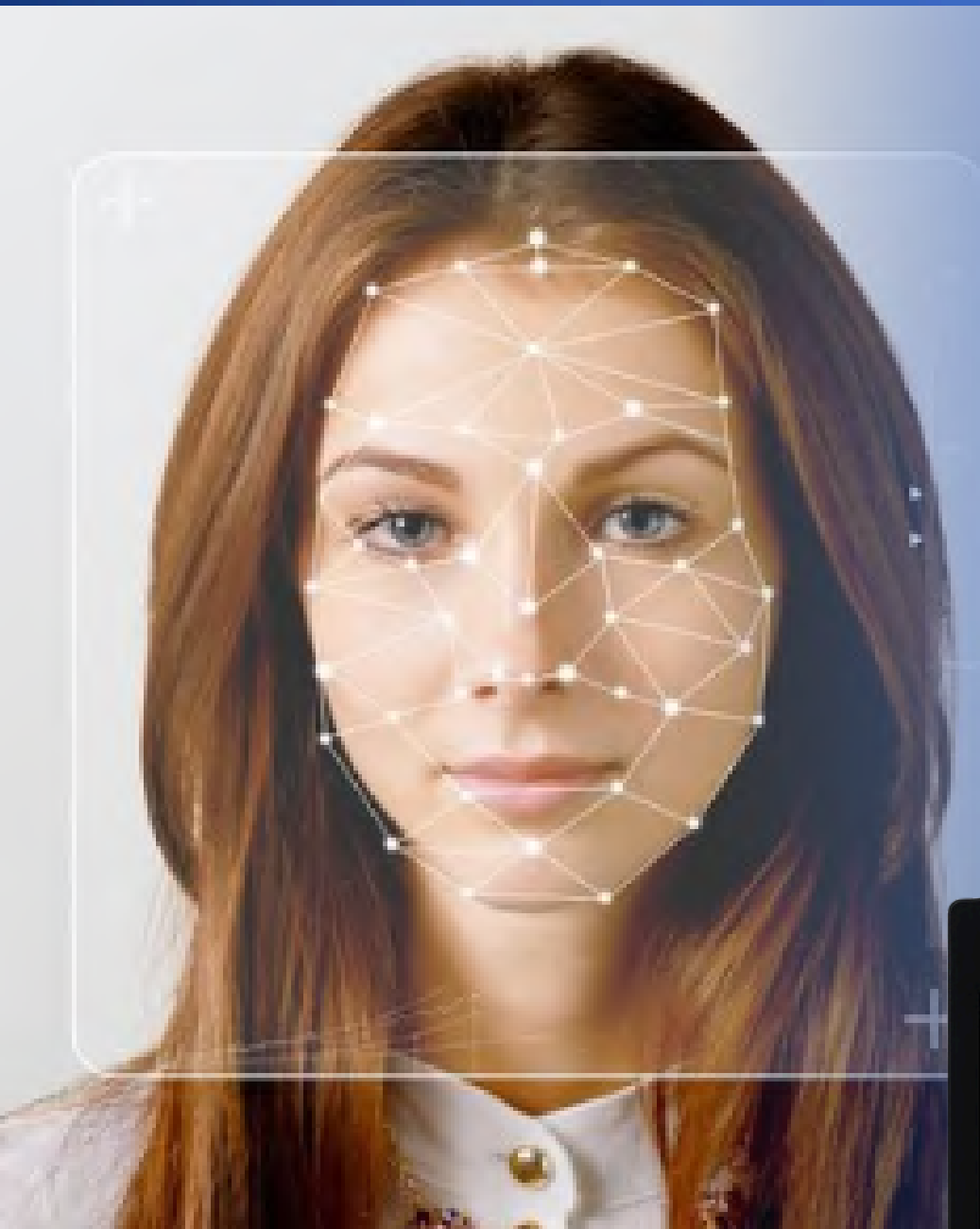
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Hardware designed for high durability and extreme outdoor environments

Engineered for heavy-duty use, ProFace X features a rugged enclosure with an IP68 dust-and-waterproof rating and IK04 impact resistance, ideal for outdoor perimeter gates and demanding industrial environments.

It houses an expansive 8-inch high-brightness IPS touch display 400 lux that ensures clear visual feedback even under strong, direct sunlight. An intelligent microwave detector evaluates user distance up to 2.5 meters to wake up the terminal automatically, optimizing energy consumption while delivering a seamless touchless experience.

8" IPS high-visibility touch display (400 lux)

IP68 waterproof/dustproof & IK04 impact-resistant enclosure

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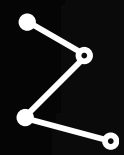
Next-generation biometrics with extreme lighting adaptability

At the core of ProFace X is a state-of-the-art face capture system featuring a 2MP starlight CMOS sensor with WDR, enabling fast and precise face recognition in extreme lighting conditions from near total darkness (0.5 lux) up to intense direct sunlight (50,000 lux).

The terminal is powered by an ultimate anti-spoofing algorithm that prevents fraudulent access attempts using printed photos (laser, color, or B/W), video replays, and 3D masks. Coupled with palm recognition capability (1:5,000 within 0.2s), it guarantees maximum security and lightning-fast throughput.



**Authenticates faces in
under 0.09 seconds**



**Recognizes faces under extreme
lighting (0.5 - 50,000 lux)**



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**Supports up to 30,000
facial templates**

**Built-in SIP video intercom
& ONVIF NVR integration**

High-capacity intelligence designed for corporate enterprise security

ProFace X offers versatile multi-biometric authentication, supporting facial recognition, optional palm verification, multi-frequency RFID cards, and dynamic QR code scanning via the ZKBio Zexus app.

It doubles as a video intercom terminal supporting both ZKTeco private protocol and standard SIP protocol (V2.0), while also functioning as an ONVIF-compliant camera to connect directly with NVR surveillance systems for continuous security monitoring and event video recording.

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Key Features

Massive template capacity

Supports 30,000 facial templates standard and 5,000 palm templates for large-scale enterprise deployments.

Ultrafast biometric recognition

Verifies faces in under 0.09 seconds and palms within 0.2 seconds for rapid, bottleneck-free traffic flow

2MP WDR starlight camera

Delivers flawless facial recognition across extreme ambient lighting conditions (0.5 lux to 50.000 lux)

SIP & ONVIF surveillance integration

Full video intercom capability via standard SIP, alongside ONVIF protocol support for seamless NVR video recording

Microwave proximity detection

Energy-saving intelligent wake-up system that accurately senses approaching users up to 2.5 meters away

125 kHz ID Card Reader

Supports standard 125 kHz ID cards, enabling seamless integration with existing card-based access systems.

Encrypted communication

Supports HTTPS encrypted backend communication, RS485, TCP/IP, and optional Wi-Fi for versatile networking

USB data synchronization

Transfer user data between devices via USB drive (FAT32).

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SPECIFICATIONS

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Specification	ProFace X System Details
Model Name	ProFace X
Display	8" IPS Touch LCD Screen (400 lux High-Brightness)
Camera	2MP Starlight CMOS Sensor with WDR (0.5 lux - 50,000 lux)
Operating System	Linux
CPU Architecture	1.2GHz Quad Core Customized Computer Vision CPU
Memory Capacity	1GB RAM / 8GB Flash
Biometric Methods	Visible Light Facial / Palm (Optional) / RFID Card / QR Code / Virtual Keypad Password
RFID Modules	125kHz ID
Hardware Components	Hi-Fi Voice Speaker, Microphone, Microwave Proximity Sensor, Reset Button and Tamper Switch

Parameter	ProFace X Performance Standards
Face Template Capacity	30,000 (1:N Standard)
Palm Template Capacity	5,000 (1:N Optional)
User & Card Capacity	100,000 Users / Cards
Transaction Logs Capacity	1,000,000 Logs
Verification Speed	Facial: < 0.09s per face Palm: < 0.2s
Recognition Distance	Touchless distance evaluation up to 2.5 meters (Microwave detection)
Protection Rating	IP68 (Waterproof & Dustproof) + IK04 (Built tough to survive outside and resist damage)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	≤ 93% (Non-condensing)
Power Supply & Current	DC 12V / Current Draw < 2,000mA
Physical Dimensions	227 mm × 143 mm × 26 mm (L × W × D)
Net Weight	853 g
Software Support	ZKBio CVSecurity, BioTalk Pro, ZKBio Zexus Mobile App

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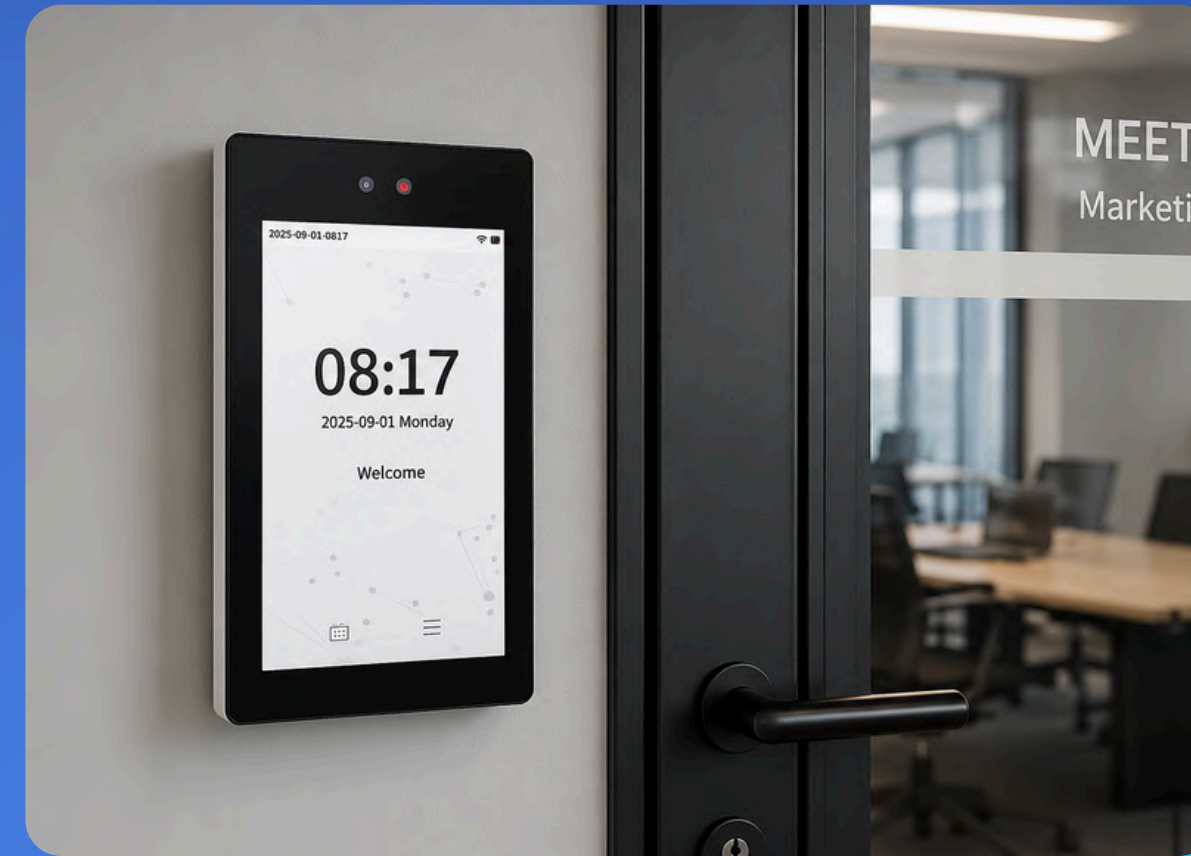
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With a commanding presence of **227 mm × 143 mm × 26 mm** and a net weight of 853g, ProFace X is designed to serve as a flagship, heavy-duty biometric terminal.

Large Screen Advantage: The spacious 8-inch high-brightness display delivers unmatched visibility and surface real estate for clear video intercom interaction, dynamic QR code displaying, and high-visibility status messages under harsh outdoor lighting.



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Rugged All-Weather Architecture: Unlike standard indoor terminals, its extra depth and reinforced casing accommodate advanced thermal management and IP68/IK04 structural reinforcement, making it the most resilient access control hardware for factory gates, construction sites, and outdoor enterprise perimeters.

Why Source Your Time Attendance Device Directly from Cadena?

1 One partner. One support team. A single point of accountability.

When a time clock goes offline or fails to sync, you shouldn't have to waste time watching vendors blame each other. With Cadena, there is one accountable partner.

The Cadena Promise: We own the entire ecosystem, from hardware integration to software synchronization. Whether the issue originates from the device or the application, our support team handles it end-to-end, ensuring faster resolution and a seamless customer experience.

2 Seamlessly Integrated

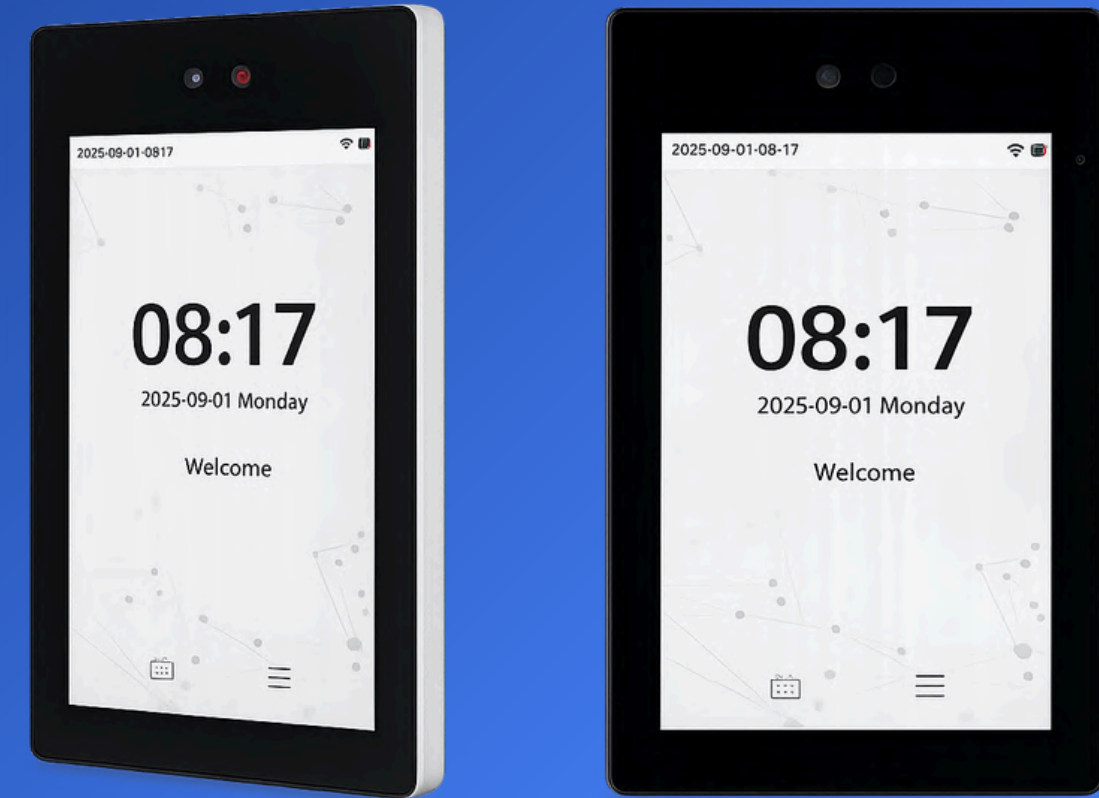
We don't just provide hardware, we ensure it works flawlessly with your HR ecosystem. Our deep integration expertise enables real-time attendance data to flow directly from the device into your HR and payroll systems, eliminating manual intervention and reducing errors.

Accurate payroll begins with accurate attendance data. That's why we focus on data integrity from the moment an employee clocks in.

ABOUT US

Cadena is a leading provider of Human Resource Information Systems (HRIS) across Southeast Asia and a core member of the Humanica Group. Headquartered in Singapore with a strong operational hub in Vietnam, our team of approximately 120 experts in Ho Chi Minh City and Hanoi delivers specialized support and localized technology.

Our flagship platform, **Cadena HRM Series 5**, provides fully web-based, localized human resources, attendance and payroll solutions tailored to the intricate labor laws and business practices of Southeast Asia. We are enabling multinational companies and big local corporations to manage payroll compliance for multiple countries or entities through a single, unified login.



CONTACT US



sales@cadena.com.sg



cadena-hrmseries.com



+84 (0)9 3131 3598

