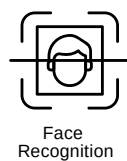
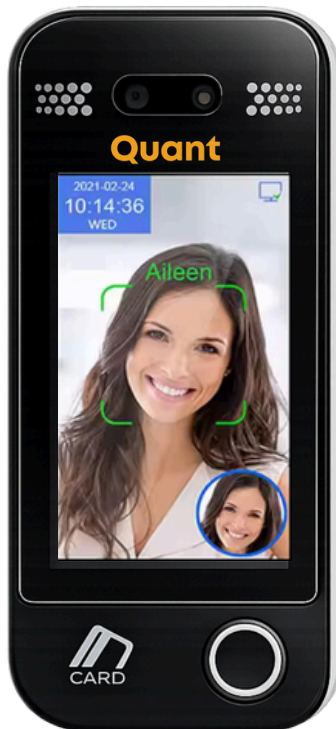


Q-FPWP01

3 Years Warranty

AI DYNAMIC TIME ATTENDANCE



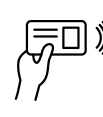
Face Recognition



Palm Veins Reader



Fingerprint Recognition



Mifare+
Desfire+EV3
Card Reader



Cloud software



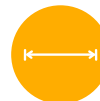
QR Code



5000
Face
Capacity



10000
Fingerprint
Capacity



0.5–2 Centimeter
Recognition
Distance



Live
Face Detection



5 Inch
Touch Screen



10000
Palm
Capacity



Access
Control



RFID
Support



QR Code
Scanner



Mask
Detection

PRODUCT DESCRIPTION

The Q-FPWP01 is a robust biometric access control terminal with advanced face recognition, fingerprint verification, Palm Recognition and card authentication capabilities. Designed to meet the needs of modern security systems, it features a 5-inch IPS full-view high-resolution touch screen, real 2MP dual-camera WDR technology for enhanced image quality, and IP65-rated waterproof construction for outdoor environments.

This device supports multi-modal authentication including face recognition, RFID cards Mifare + Desfire + EV3, palm vein reader, QR Code Scanner and passwords, making it versatile for various access control applications. Its built-in mask detection capabilities ensure both convenience and safety.

PRODUCT ADVANTAGES

Fast Recognition: Face recognition speed is <0.2 seconds, with adjustable detection distance (0.5–2 centimeter).

Q-FPWP01



PRODUCT ADVANTAGES

Advanced Hardware: Equipped with a 1.2G Dual-Core ARM Cortex-A7 CPU and 8GB EMMC storage for efficient performance.

Weatherproof Design: IP65 rating ensures reliable operation in challenging outdoor environments.

Mask Detection: Supports mask detection for enhanced safety during public health scenarios.

Flexible Integration: Compatible with multiple communication interfaces: TCP/IP, USB, Wi-Fi, and RS485, plus relay and alarm outputs.

Enhanced Security: Rejects photo/video spoofing through live face detection.

User-Friendly Interface: 5-inch capacitive touch screen for smooth navigation and real-time user interaction.

Ideal Applications: Commercial buildings, Government facilities, Industrial sites, High-security entrances

TECHNICAL SPECIFICATIONS

Product Parameter	Description Parameter
Model	Q-FPWP01
Hardware	<ul style="list-style-type: none"> CPU: 1.2GHz Dual-Core ARM Cortex-A7 NPU: 800G (0.8T) RAM: 256M DDR ROM: 8G EMMC
Camera	<ul style="list-style-type: none"> Real Sensor 1/2.9 inch FOV 75°, 2MP high-definition color WDR wide dynamic camera Sensor 1/5 inch FOV 75°, 2MP infrared live camera Fill Light: LED Fill Light and Dual Infrared Fill Light (automatic control based on ambient light)
Display	<ul style="list-style-type: none"> Screen: 5-inch IPS Full-view High Resolution Touch Screen
Communication Port	<ul style="list-style-type: none"> TCP/IP USB Type-A (U disk support) Wi-Fi RS485

Q-FPWP01



TECHNICAL SPECIFICATIONS

Product Parameter	Description Parameter
Product Size	Dimensions: 195mm × 88mm × 27.5mm
Power	DC 12V, 2A
Environmental Specifications	<ul style="list-style-type: none"> Working Temperature: 0–45°C Working Environment: Under normal light, strong light, dark environment, backlight Waterproof Rating: IP65
Firmware Specs	<ul style="list-style-type: none"> OS: Linux Languages: English, Spanish, Arabic, Thai, Russian, Portuguese, French, Farsi, Vietnamese, Japanese, Turkish (customizable)
Verification Methods	<ul style="list-style-type: none"> Face Recognition Fingerprint Recognition Palm Vein Reader RFID Card Mifare + Desfire + EV3 Frequency Password QR Code Scanner Combination
Capacity	<ul style="list-style-type: none"> Face Capacity: 5,000 (50,000 optional) Fingerprint Capacity: 10,000 (100,000 optional) Card Capacity: 15,000 (150,000 optional) Palm Capacity: 10,000 Password Capacity: 15,000 (15,000 optional) Logs Capacity: 500,000
Performance	<ul style="list-style-type: none"> Face Recognition Speed: <0.2s Face Recognition Distance: 0.5–2 centimeter Live Face Detection: Rejection of photo/video Mask Detection: Supports mask detection with face recognition
Video Intercom	Optional
Access Control Interface	<ul style="list-style-type: none"> Relay Output: 1 set Alarm Output: 1 set Fire Input: 1 set Door Sensor: Support Wiegand: 1 set (WG 26/34 Input/Output) Exit Button: Support Door Bell: Support Tamper Alarm: Support Anti-Pass Back: Support Interlock: Support

Q-FPWP01



3 Years Warranty

TECHNICAL SPECIFICATIONS

Product Parameter	Description Parameter
Size & Design	<ul style="list-style-type: none">• Dimensions: 195mm × 88mm × 27.5mm• Ports:• 10PIN (Power, Wiegand, Alarm, Fire)• TCP/IP• 9PIN (Power, Lock, Exit Button, Door Magnetic, Doorbell)
Certifications	CE
Country of Origin	Malaysia
Warranty	3 Years

AI Dynamic Face Recognition

Live face detection, prevent deception from printed photo, video and 3D face model
Adapt to facial changes with makeup, mustache, black face, wearing mask/glass/veil

< 0.2s

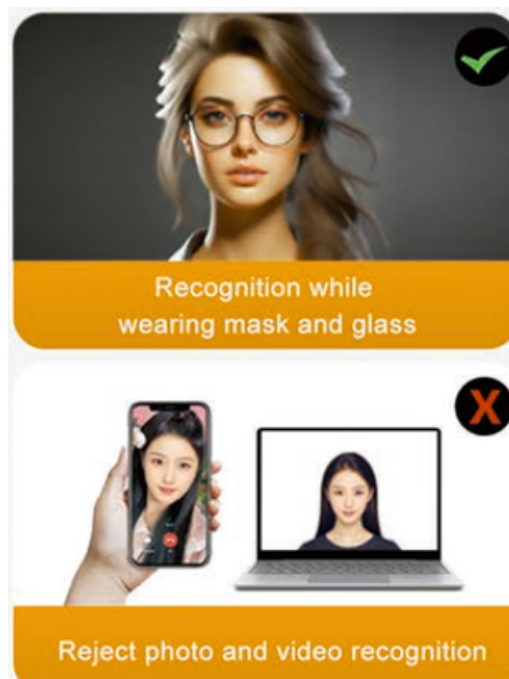
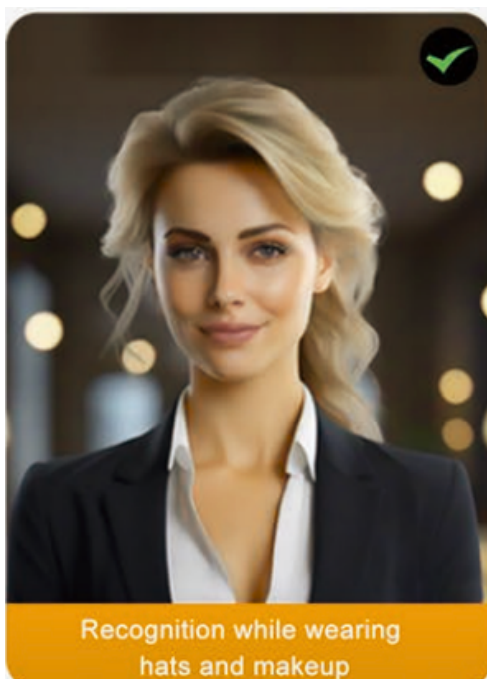
Face Recognition Speed

< 0.001%

FRR

5000

Face Capacity



Q-FPWP01



3 Years Warranty

DIMENSIONS



Palm Vein Recognition

TECHNICAL PRINCIPLES

Palm vein refers to the veins inside the palm. It is the visible veins through the skin of the palm, including all veins within the palm area. Hemoglobin in the red blood cells in the veins is reduced hemoglobin that has lost oxygen and absorbs near-infrared light. Therefore, when near-infrared light is projected onto the palm, only the vein part will have a weak reflection, thus forming the vein pattern image.

TECHNICAL ADVANTAGES

High stability of feature information

Individual vein patterns remain largely unchanged after adolescence, and even identical twins have different vein patterns.

Anti-counterfeiting attacks

Vein recognition requires imaging under specific wavelength light sources, making vein information difficult to steal and forge.

Contactless recognition

It can be used without human-machine contact, convenient for hygiene.

Liveness detection

The absorption rate of deoxygenated hemoglobin in flowing blood differs from other tissues under near-infrared light, enabling effective imaging of live veins.

User-friendly

Vein recognition is not sensitive to the surface condition of the skin and is not affected by common skin conditions like peeling or sweat stains, exhibiting good environmental adaptability.

Active recognition

No concerns about privacy leaks or false triggering of recognition.

