

# T-301-G008

## CHECKID KIOSK

- ▶ Identity Verification
- ▶ Biometrics
- ▶ Printing
- ▶ Secure Transactions



- The product is a multi-functional, floor-standing self-service terminal designed for identity verification and secure transactions.
- It integrates ID card reading, biometric authentication, document scanning, receipt printing, and high-definition touch display, making it a powerful solution for government services, healthcare, finance, and public facilities.

## Applications

- **Government services** – citizen ID verification, e-government applications.
- **Hospitals** – patient registration, medical record access.
- **Banks & Finance** – KYC, e-payment, transaction authentication.
- **Public Service Centers** – SIM registration, tax & utility services.

## Security Features

- **Biometric protection:** Fingerprint sensor FPR-220 (Miaxis) with image encryption, NIST compliance, and Live Finger Detection (LFD).
- **Face recognition:** Binocular camera with liveness detection & WDR.
- **Power safety:** Industrial-grade power module with protections (overheat, overcurrent, short circuit, overvoltage).
- **Data security:** ID card reader with encrypted output.

## Reliability

- **Durable PC:** MTBF  $\geq$ 100,000h, stable 24/7 operation.
- **Industrial-grade touch screen:**  $\geq$ 5,000,000 touches, waterproof, dustproof, scratch resistant.
- **Power module:** MTBF  $\geq$ 600,000h.
- **Printer:** Auto cutter lifespan  $\geq$ 1,000,000 cycles.

# Specifications

Industrial PC	i3 Gen 8, 4 cores, 2.1GHz; RAM 8GB, SSD 128GB, RS232 ≥6; USB ≥6 (≥1 USB3.0), RJ45 Gigabit; WiFi, Bluetooth, MTBF ≥100.000h.
OS	Windows 11.
Touch Monitor	21.5", Full HD 1920×1080, capacitive multi-touch; Brightness 250 cd/m <sup>2</sup> , response ≤10ms, hardness ≥6H; Lifespan ≥5M touches, explosion-proof; Scratch-resistant, waterproof, dustproof; Viewing angle 89/89/89/89, transmittance ≥85%.
Binocular Camera	5MP, IR+color, liveness detection, backlight compensation, WDR; Distance 40–120 cm, auto white balance, auto exposure; Formats JPG/TIF/BMP/PNG, vertical FOV ≥78°, horizontal ≥55°; Working temp -30~70 °C.
Barcode Scanner	1D/2D supported.
ID Card Reader	Dual-side scanning, 300 DPI, USB + DC12V; Windows & Android compatible, supports Vietnam card reading.
Thermal Printer	80mm paper, 200mm/s, resolution 203 DPI, width 72mm; Paper: 80 ±0.5 mm, thickness 60–120 µm; Auto paper feed, auto cutter (half/full); Cutter lifetime 1M cycles, sensor for paper shortage.
Fingerprint Sensor	Image encryption, Live Finger Detection (LFD); NIST certified format & compression.
4G Module	Yes.
Power Module	Input 85–132VAC, 170–264VAC, Frequency range 47–63Hz; Output DC 12V, 24V; voltage regulation ≤0.5%; Load adjustment ≤0.5%; efficiency ≥87%; Protections (overheat, overcurrent, short, over/under voltage); MTBF ≥600,000h.
Other	Lock, amplifier, speakers, network access components; Assembly & Packing.
Warranty	1 year.