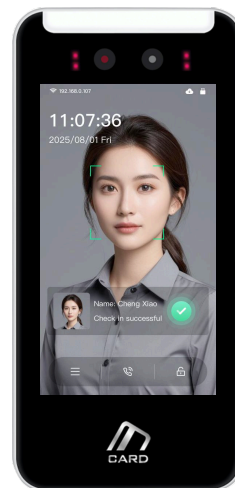


WO501 Specification

Smart Life Video Intercom & 5-Inch AI Access Terminal

- 5-inch AI Smart Access Terminal for Residential & Commercial Video Intercom and Attendance;
- 5,000 face capacity&5,000 card capacity&5,000 palm vein(optional) ;
- Multiple verification methods including: face, palm vein(optional), cards and QR codes;
- One-tap remote door release
- Full-duplex high-definition audio and video communication via Smart Life app;
- Real-time video streaming anytime through the app and Tuya cloud storage service for all access event recording and review



Face Recognition

- Face recognition speed less than 0.1s with 99.9% accuracy rate;
- Liveness detection with effective protection against photos, videos and 3D masks;
- Adapts to facial changes and varying light conditions;
- Palm vein recognition as optional choice;
- Supports multi-factor authentication: face, password, QR code, IC/RFID card, palm vein(optional), remote unlock via mobile app.

Technical Specifications

Display & Hardware

| Parameter | Specification |
|-------------|------------------|
| Screen Size | 5.0-inch IPS LCD |
| Resolution | 480×854 pixels |

| Parameter | Specification |
|-------------|---|
| Touchscreen | Capacitive touch support |
| Processor | High-performance AI processor |
| NPU | 0.5T independent computing power |
| OS | Linux system |
| Memory | Built-in DDR2 128MB |
| Storage | 128MB SPI NAND (or EMMC 8GB/16GB/32GB) |

Camera Specifications

| Parameter | Specification |
|----------------|--------------------------------|
| Camera Type | Binocular camera |
| Resolution | 0.5 megapixel |
| Aperture | F2.2 |
| Focus Distance | 50–150cm |
| Fill Light | LED + infrared dual fill light |
| Night Vision | Supported |

Network & Connectivity

| Parameter | Specification |
|------------------|----------------------------|
| Wired Network | 10/100M Ethernet |
| Wireless Network | Wi-Fi (2.4GHz supported) |
| Cellular Network | 4G module (optional) |
| Audio Output | 2W/8Ω speaker |
| Audio Input | Built-in microphone |
| Tuya Cloud | Full ecosystem integration |

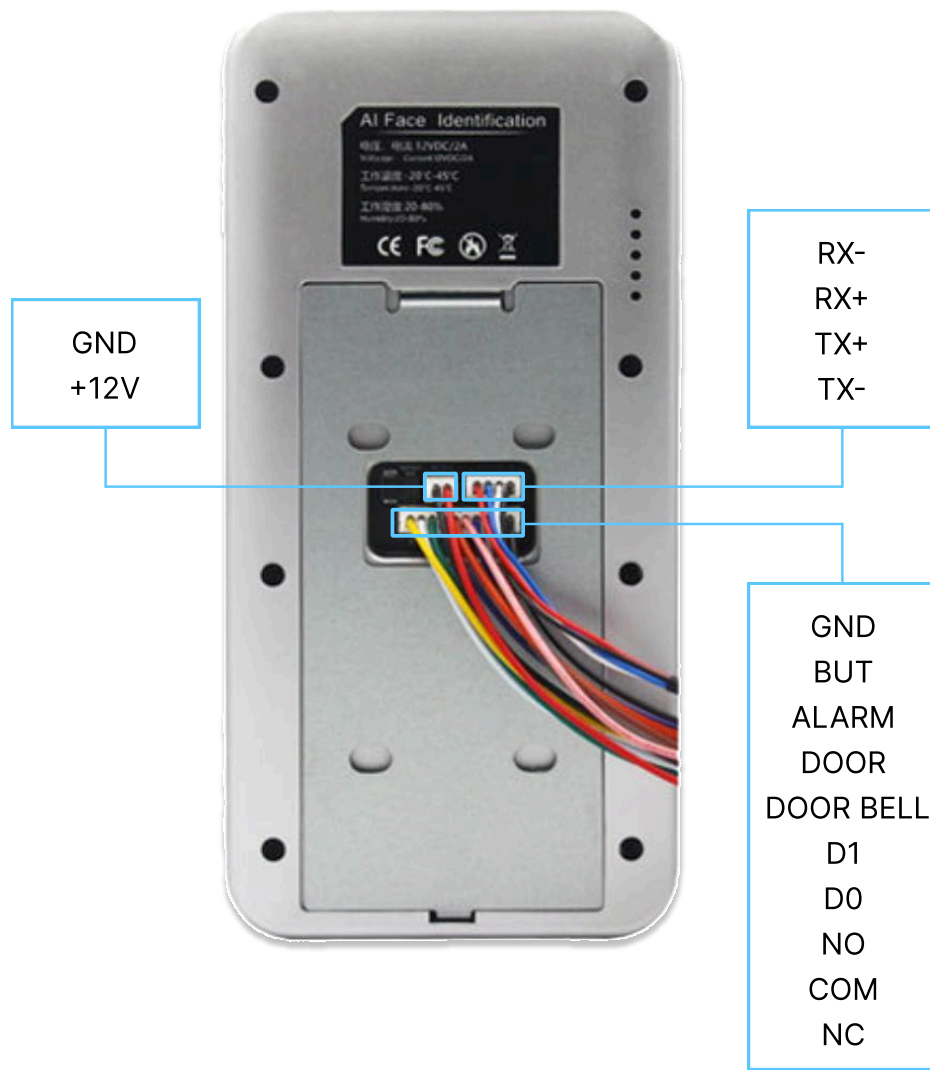
Recognition Performance

| Parameter | Specification |
|----------------------|---|
| Face Capacity | 5,000 faces |
| Attendance Records | 200,000 entries |
| Recognition Distance | 0.5–1.5 meters |
| Recognition Speed | <1 second |
| Recognition Rate | ≥99.99% |
| Adaptation | Supports glasses, masks, hats, and makeup |

Other Specifications

| Parameter | Specification |
|-----------------------|-------------------------------|
| Power supply | DC12V (±10%) |
| Power consumption | 10W (MAX) |
| Protection Rating | IP54 dust and water resistant |
| Operating Temperature | –20°C ~ 70°C |
| Installation | Wall Mounting |
| Device size | 163*86*17mm |
| Equipment weight | 0.8 (kg) |

Technical Specifications



Note: Cable and interface definitions (interfaces may vary slightly between production batches)