

# Access Control Terminal TF-12E



TF-12E is a high-performance fingerprint and card reader designed for secure and reliable access control applications. Supporting both fingerprint and **Proximity** card authentication, it works seamlessly with access control systems by transmitting credential data to the controller for fast and accurate verification. Built with a durable PC body, premium acrylic panel, and IP65-rated protection.

TF-12E is suitable for indoor & outdoor installations. It features RS-485 communication, audible and LED status indicators, anti-tampering protection, ensuring stable long-term operation.

Integrated overcurrent and overvoltage protection on all connection ports.

## Verification & Features



Fingerprint



Card



Temper Alarm

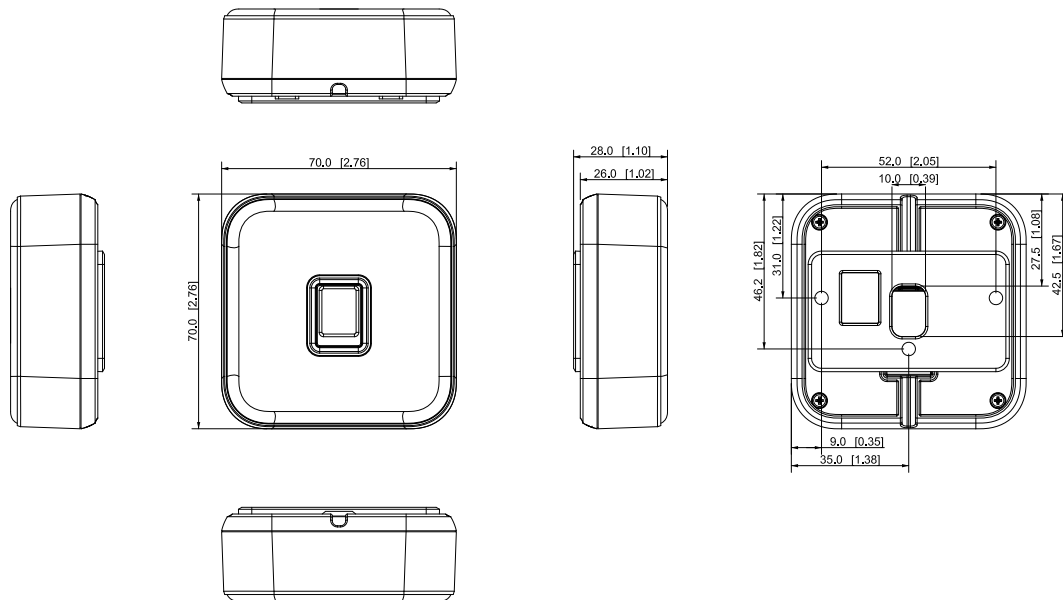


IP65

## Technical Specification

| Basic                         |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Product Type                  | Fingerprint & Card Reader                                 |
| Buzzer                        | Yes                                                       |
| Casing                        | PC/acrylic panel                                          |
| Function                      |                                                           |
| Unlock Mode                   | Fingerprint & Card                                        |
| Card Type                     | Proximity Card                                            |
| Modulation Type               | Yes                                                       |
| Performance                   |                                                           |
| Response Time                 | 0.1 s                                                     |
| Fingerprint Sensor Type       | Capacitive fingerprint sensor                             |
| Fingerprint Verification Mode | 1:N                                                       |
| Fingerprint Verification Time | 1.5 s                                                     |
| Capacity                      |                                                           |
| Fingerprint Capacity          | 3,000                                                     |
| Port                          |                                                           |
| RS-485                        | 1 Channel                                                 |
| Alarm                         |                                                           |
| Tamper Alarm                  | Yes                                                       |
| General                       |                                                           |
| Power Supply                  | 12V 0.5A DC                                               |
| Protection                    | IP65                                                      |
| Power Consumption             | Standby ≤ 1.0W, working ≤ 1.7W                            |
| Product Dimensions            | 70 mm × 70 mm × 26 mm (2.76" × 2.76" × 1.02") (L × W × H) |
| Operating Temperature         | -20°C to +65°C (-4°F to +149°F)                           |
| Operating Humidity            | 5%RH-95% (non-condensing)                                 |
| Operating Environment         | Indoor; outdoor                                           |
| Gross Weight                  | 0.17 kg                                                   |
| Installation                  | Surface mount                                             |

## Dimension Drawing



## Application



Education



Office



Government



Health



Bank



Logistics



Factory



Retail

**Disclaimer :** All pictures shown are for illustration purposes only. The actual product and color may vary due to product enhancement. The brief specification is mentioned and may change without prior notice. Please consult us before placing any order.