inPulse+  
Multi-Biometric Finger Vein  
Standalone Access Control Terminal

inPulse+ is a multi-biometric reader capable of capturing and processing finger vein and fingerprint biometric data at the same time. Ergonomic, intuitive and highly secured, inPulse+ leads us to a new era of enhancing security with biometrics. Its infra-red rays illuminate the vein pattern which is then converted into a biometric template. Both the vein and fingerprint templates are then stored in the database for subsequent matching.
Features

- Modern Design & Interactive UI
- Dual Finger Vein & Fingerprint Authentication
- Multiple Verification Modes: Finger Vein / Fingerprint / Card / Password
- Simple Management & Scalability
- TFT-LCD Color Touch Screen

Specifications (®: GL Exclusive Feature)

**Capacity**
- Finger Veins: 1,500
- Fingerprints: 1,500
- Cards: 2,000
- Transactions: 100,000

**Communication**
- TCP/IP
- USB Host
- Wiegand Input / Output
- Security Relay Box

**Access Control Interface**
- Lock Relay Output
- Alarm Output / Auxiliary Input
- Exit Button / Door Sensor
- Doorbell Output

**Hardware**
- 1.2GHz High Speed CPU
- Memory: 128MB RAM / 256MB Flash
- ZK Fingerprint Sensor
- 2.8 Inches TFT-LCD Touch Screen
- 125KHz EM Reader / Mifare (Optional)
- Hi-Fi Voice & Indicator
- Tamper Switch Alarm

**Standard Functions**
- Access Levels / Groups / Holidays
- DST / Bell Schedule
- Duress Mode (Password)
- Anti-Passback
- Record Query
- Custom Wallpaper & Screen Saver

**Special Functions**
- Multiple Biometric Verification Modes
- ZK Encrypted Card

**Compatibility**
- Wiegand Slave Reader
- ZKBioSecurity Software

**Additional Info**
- Working Temperature: -10 °C ~ 50 °C
- Dimensions: 201.7 × 85 × 102.7 mm.
- ZKVein v3.0 & ZKFinger v10.0 Algorithms
- Finger Vein & Fingerprint: FAR≤0.0001%
  FRR≤0.01%

**Power**
- Operating Voltage: 12V DC
- Current Draw: < 500mA

ZKTeco Middle East
www.zkteco.me
E-mail: zk_me@zkteco.com

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