BioLite Net is the world’s smallest fingerprint IP Access Control terminal with Time & Attendance features. With its rugged IP65 rated waterproof structure, the device offers exceptional durability in extreme conditions. From simpler single door control to complex networked environments, BioLite Net offers high-level biometric security with full Access Control and Time & Attendance functions.
**BioLite Net**

**Features**

- **Rugged Structure for outdoor installation and extra durability**
  - IP65 rated waterproof and weatherproof structure

- **Fast and accurate fingerprint identification**
  - Award winning fingerprint algorithm (No.1 in FVC2004 and FVC2006)
  - 1 : 2,000 fingerprint identification in 1 second

- **Easy installation and connectivity**
  - Network interface by TCP/IP or RS485
  - Wiegand input/output configurable up to 64 bits
  - Internal relay for direct lock interface (stand-alone control mode)

- **Easy operation and management**
  - Built-in keypad and card reader for multi-modal user authentication (Fingerprint, PIN, card)
  - Easy-to-use PC software for Access Control and Time & Attendance
  - Template on card to store fingerprint data on a smart card

- **Slim and elegant design**
  - World’s smallest fingerprint terminal for Time & Attendance and Access Control
  - Slick and slim design for narrow spaces
  - Graphic LCD, multi-colour LED and multi-tone buzzer for intuitive user interface.

- **Full access control features**
  - 128 access groups and 256 time schedules
  - Anti-passback door zones supporting 64 readers
  - Tamper switch and duress fingerprint option

- **External relay unit**
  - Secure door control and I/O expansion (secure reader mode)

**Specifications**

- **CPU**
  - 400MHz DSP

- **Memory**
  - 8MB flash + 16MB RAM

- **Fingerprint Sensor**
  - 500 dpi optical sensor

- **Identification Speed**
  - 2,000 matches in 1 second

- **User Capacity**
  - 5,000 (1:N)

- **Log Capacity**
  - 50,000 events

- **Card options**
  - 125kHz EM / 13.56MHz Mifare / DesFire

- **Authentication**
  - Finger / PIN / Card

- **Network Interface**
  - TCP/IP, RS485

- **Wiegand**
  - 1 Channel (input/output switchable)

- **TTL I/O**
  - 2 Inputs for exit switch and door sensor

- **Internal Relay**
  - Deadbolt, EM lock, door strike, automatic door

- **Ingress Protection Rate**
  - IP65 class

- **LCD**
  - 128 x 64 pixel, black & white

- **Keypad**
  - 3 x 4 keypad, 3 navigation keys

- **Sound and Interface**
  - Multi-colour LED and multi-tone buzzer

- **Operating Voltage**
  - 12VDC

- **Size**
  - 60 x 185 x 40mm (W x H x D)

**Secure I/O**

- **Accessory unit for secure door control and I/O expansion**
- Encrypted communication with BioLite Net for enhanced security
  - 16MHz 8bit microprocessor
  - 4 digital inputs and 2 relay outputs
  - Size: 143 x 82 x 35mm (W x H x D)

**System Configuration**

**Standalone**

**Network**

- Door Zone 1 (Anti-passback)
- Door Zone 2 (Anti-passback)

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