Suprema introduces BioLite Net, the world’s smallest IP-based fingerprint terminal with time attendance and access control capability. With rugged IP65 rated waterproof structure, it offers extra durability and it’s perfect for outdoor installation. From simple door control to complex networked environment, BioLite Net supports full functionality of time attendance and access control. All features come in an elegantly designed, sleek and slim device.
**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 (standalone control mode)

- **Easy operation and management**
  - Built-in keypad and RF 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
  - Sleek and slim design for narrow spaces
  - Graphic LCD, multi-color LED and multi-tone buzzer for intuitive user interface

- **Full access control features**
  - 128 access groups and 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

- **Fingerprint Capacity**
  - 5,000 fingerprints (10,000 templates)

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

- **RF Card**
  - Mifare (13.56 MHz)

- **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-color LED and multi-tone buzzer

- **Operating Voltage**
  - 12VDC

- **Size**
  - 60 x 185 x 40 mm (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 35 mm (W x H x D)

**System Configuration**

**Standalone**

**Network**

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

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