BioStation 2
Fingerprint IP Access Terminal

BioStation 2 incorporates the latest Suprema technology in a beautiful exterior. It combines a new powerful processor. Suprema’s next generation optical sensor and improved fingerprint sensing & capturing algorithm to offer unrivaled performance. BioStation 2 provides users with instant authentication and rapid data transfer to manage high volume data with ease. It is ideal for applications that requires versatility without compromise in style and performance.
**BioStation 2**
Fingerprint IP Access Terminal

### Features

**Instant Matching & Authentication**
- Improved matching algorithm, memory handling and powerful processor up to 20,000 matches per second

**Rapid Data Transfer**
- Optimal data transfer between the server and the device to transfer up to 5,000 user data in under a minute

**Expanded Memory Capacity**
- 1,000,000 fingerprint template
- 3,000,000 event logs

**IP65 Certified Dust & Water Protection**
- Ideal for harsh environment and outdoor installation

**Versatile Interface**
- Built-in WiFi and Power-over-Ethernet functionality for wide range of installation options

### Specifications

<table>
<thead>
<tr>
<th>Biometric</th>
<th>Fingerprint</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Type</td>
<td>Optical Sensor (OP5)</td>
</tr>
<tr>
<td>Template</td>
<td>SUPREMA / ISO 19794-2 / ANSI 378</td>
</tr>
<tr>
<td>Extractor / Matcher</td>
<td>MINEX certified and compliant</td>
</tr>
<tr>
<td>LFD</td>
<td>Not Supported</td>
</tr>
<tr>
<td>RF Option</td>
<td>ISO 14443A/B, ISO15693</td>
</tr>
<tr>
<td>CPU</td>
<td>1.0 GHz Single Core</td>
</tr>
<tr>
<td>Memory</td>
<td>8GB Flash + 256MB RAM</td>
</tr>
<tr>
<td>Max. User</td>
<td>500,000 (1), 20,000 (1:N)</td>
</tr>
<tr>
<td>Max. Template</td>
<td>1,000,000 (1:N), 40,000 (1:N)</td>
</tr>
<tr>
<td>Max. Logs</td>
<td>3,000,000 (text)</td>
</tr>
<tr>
<td>LED</td>
<td>Multi-Color</td>
</tr>
<tr>
<td>Sound</td>
<td>16-bit Hi-Fi</td>
</tr>
<tr>
<td>Ethernet</td>
<td>Supported (10/100 Mbps, auto MDIX)</td>
</tr>
<tr>
<td>RS-485</td>
<td>1ch Host or Slave (Selectable), OSEDP V2.16</td>
</tr>
<tr>
<td>Wiegand</td>
<td>1ch Input, 1ch Output</td>
</tr>
<tr>
<td>TTL</td>
<td>2ch Inputs, 2ch Outputs</td>
</tr>
<tr>
<td>Relay</td>
<td>1 Relay</td>
</tr>
<tr>
<td>PoE</td>
<td>Supported (IEEE 802.3af compliant)</td>
</tr>
<tr>
<td>Tamper</td>
<td>Supported</td>
</tr>
<tr>
<td>Power</td>
<td>Voltage: DC 12V, Current: Max. 1A</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C ~ 50°C</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>0% ~ 80%, non-condensing</td>
</tr>
<tr>
<td>Dimensions (WxHxD, mm)</td>
<td>142 x 145 x 45 mm</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>440g</td>
</tr>
<tr>
<td>Certificates</td>
<td>CE, FCC, KC, RoHS, REACH, WEEE</td>
</tr>
</tbody>
</table>

### System Configurations

- **Standalone-Secure**
- **Standalone**
- **Distributed Access Control Systems**

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**Suprema Inc.**
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