

# BioEntry W2

Outdoor IP Fingerprint Device



Suprema BioEntry W2 is a rugged fingerprint access control device featuring Suprema's next generation biometric technology and security platform. BioEntry W2 provides class-leading performance and security by featuring Suprema's latest fingerprint algorithm coupled by powerful quad-core CPU and LFD(live finger detection) technology. The device also provides added flexibility in system design by featuring multi card reading with dual-frequency RFID technology. Packed in a rugged IP67/IK09 housing with sleek metallic finish, BioEntry W2 is a perfect access control solution for tough environment and outdoor installation.

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## Outdoor IP Fingerprint Device

### Features



#### Best-in-class Performance

- Latest Suprema algorithm
- 1.2GHz quad-core CPU



#### Improved Accuracy & Security

- New advanced Live Finger Detection(LFD) technique
- High-precision OP5 optical sensor



#### Expanded Capacity

- Max. 500k users/1 million text logs
- Large memory: 2GB Flash + 256 MB RAM



#### Rugged Structure

- IK09 impact protection
- IP67 ingress protection
- Ideal for outdoor installation



#### Multi RFID Card Reading

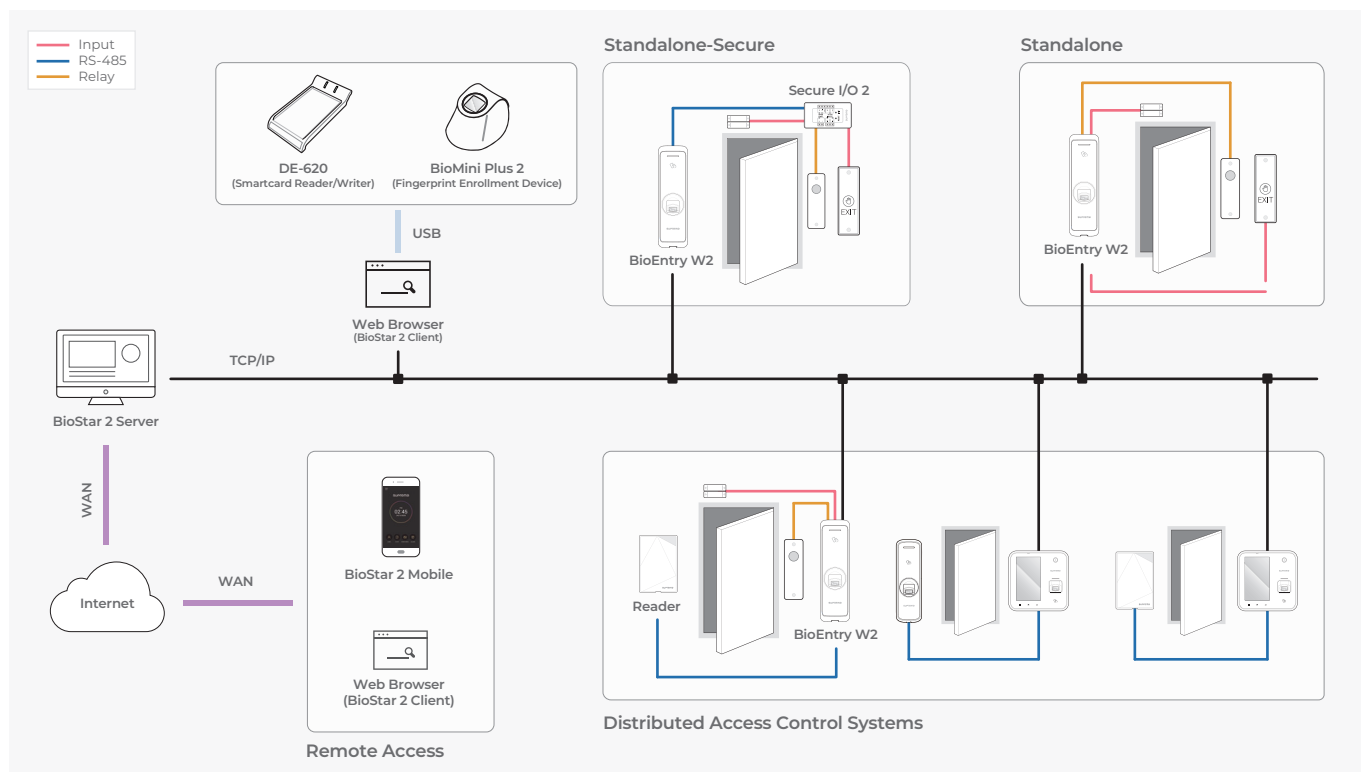
- LF(125kHz), HF(13.56MHz) dual-band
- Reads all card types that HID multiCLASS supports (EM/HID Prox/MIFARE/iCLASS/DESFire/FeliCa/NFC)

### Specifications

| Model Name             | BEW2-OHPB                                                                                                                             | BEW2-ODPB                                                                        | BEW2-OAPB                                                                                                    |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| RF Option              | 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 %, FeliCa                                            | 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 %, FeliCa | 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 %, FeliCa, iCLASS SE5R/Seos |
| Mobile Card            | NFC, BLE                                                                                                                              |                                                                                  |                                                                                                              |
| Biometric              | Fingerprint                                                                                                                           |                                                                                  |                                                                                                              |
| Sensor Type            | Optical Sensor (OP5)                                                                                                                  |                                                                                  |                                                                                                              |
| Template               | SUPREMA / ISO 19794-2 / ANSI 378                                                                                                      |                                                                                  |                                                                                                              |
| Extractor / Matcher    | MINEX certified and compliant                                                                                                         |                                                                                  |                                                                                                              |
| LFD                    | Supported                                                                                                                             |                                                                                  |                                                                                                              |
| CPU                    | 1.2 GHz Quad Core                                                                                                                     |                                                                                  |                                                                                                              |
| Memory                 | 2GB Flash + 256 MB RAM                                                                                                                |                                                                                  |                                                                                                              |
| Max. User              | 500,000 <sup>2)</sup>                                                                                                                 |                                                                                  |                                                                                                              |
| Max. Credential (1:N)  | Fingerprint: 100,000                                                                                                                  |                                                                                  |                                                                                                              |
| Max. Credential (1:1)  | Fingerprint: 500,000 Card: 500,000                                                                                                    |                                                                                  |                                                                                                              |
| Max. Text Log          | 1,000,000                                                                                                                             |                                                                                  |                                                                                                              |
| Max. Image Log         | Not supported                                                                                                                         |                                                                                  |                                                                                                              |
| LED                    | Multi-Color                                                                                                                           |                                                                                  |                                                                                                              |
| Sound                  | Multi-tone Buzzer                                                                                                                     |                                                                                  |                                                                                                              |
| Ethernet               | Supported (10/100 Mbps, auto MDI/MDI-X)                                                                                               |                                                                                  |                                                                                                              |
| RS-485                 | 1ch Master / Slave (Selectable)                                                                                                       |                                                                                  |                                                                                                              |
| Communication Protocol | OSDP V2 Compliant                                                                                                                     |                                                                                  |                                                                                                              |
| Wiegand                | 1ch Input / Output (Selectable)                                                                                                       |                                                                                  |                                                                                                              |
| TTL Input              | 2ch Input                                                                                                                             |                                                                                  |                                                                                                              |
| Relay                  | 1 Relay                                                                                                                               |                                                                                  |                                                                                                              |
| PoE                    | IEEE 802.3af compliant                                                                                                                |                                                                                  |                                                                                                              |
| Ingress Protection     | IP67                                                                                                                                  |                                                                                  |                                                                                                              |
| Impact Protection      | IK09                                                                                                                                  |                                                                                  |                                                                                                              |
| Tamper                 | Supported                                                                                                                             |                                                                                  |                                                                                                              |
| Power                  | DC 12V 0.5A                                                                                                                           |                                                                                  |                                                                                                              |
| Operating Temperature  | -20°C ~ 50°C (-4°F ~ 122°F)                                                                                                           |                                                                                  |                                                                                                              |
| Operating Humidity     | 0% ~ 80%, non-condensing                                                                                                              |                                                                                  |                                                                                                              |
| Dimensions (WxHxD, mm) | 50 x 172 x 43.5 (Bottom) / 38.2 (Top)                                                                                                 |                                                                                  |                                                                                                              |
| Certificates           | CE, UKCA, KC, FCC, IC, RCM, BIS, ANATEL, SIG, RoHS, REACH, WEEE, ETL Listed to UL 294<br>* UL 294 is applied to only BEW2-OAPB model. |                                                                                  |                                                                                                              |

<sup>1)</sup> DESFire EV2/EV3 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with BioEntry W2.  
<sup>2)</sup> The number of users registered without any credential data.

### System Configurations



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