

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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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

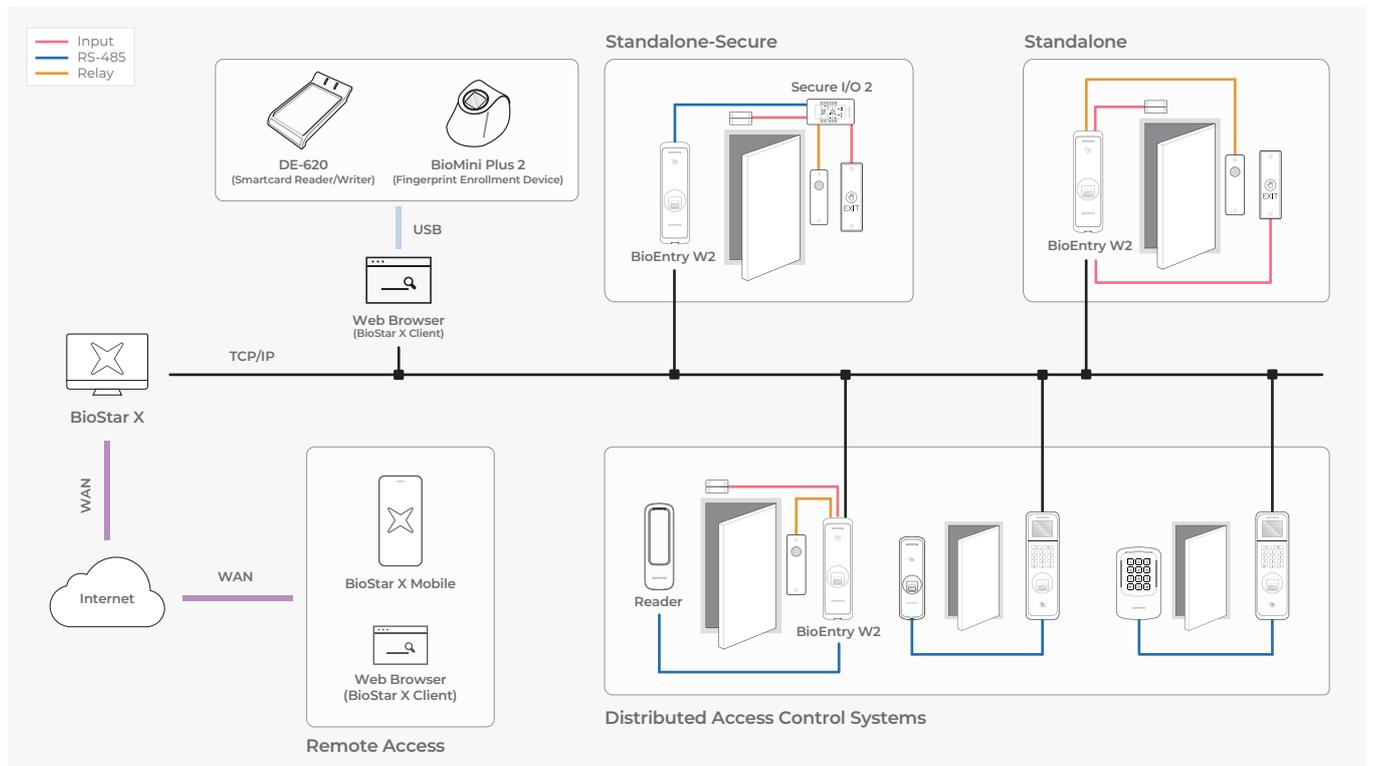
- LF(125kHz), HF(13.56MHz) dual-band
- Reads all card types that HID multiCLASS supports (EM/HID Prox/MIFARE/iCLASS/DESFire/FeliCa/NFC)

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 ¹⁾ , FeliCa | 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 ¹⁾ , FeliCa | 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 ¹⁾ , FeliCa, iCLASS SE/SR/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 ²⁾ | | |
| 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 43.4 (Bottom) / 38.2 (Top) | | |
| Certificates | CE, UKCA, KC, FCC, IC, RCM, BIS, ANATEL, SIG, RoHS, REACH, WEEE, ETL Listed to UL 294 * UL 294 is applied to only BEW2-OAPB model. | | |

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

System Configurations



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