

EBS820

IP67 OUTDOOR FINGERPRINT DEVICE



The EBS820 outdoor fingerprint terminal provides comprehensive Access Control and Time & Attendance. It boasts the latest fingerprint algorithm coupled with the world's best fingerprint sensor. Packed in a rugged IP67 housing, with multi-class RFID reading technology.

The device comes with a TCP/IP interface, RS-485 and Wiegand to provide higher flexibility and multiple installation options for different environments. It also offers 2 internal inputs and 1 internal relay output to control peripheral devices.

FEATURES

- Fast fingerprint matching speed
- Ideal for outdoor installations
- Supports most types of RFID card standards with a single device
- Advanced accuracy and security - High-precision OP6 optical sensor

OPTIONAL ADD-ON

The EBS820 rain shield.



SPECIFICATIONS

RF Options	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2*, FeliCa, NFC & 2.4GHz BLE
Sensor Type	Optical Sensor (OP6)
Template	SUPREMA / ISO 19794-2 / ANSI 378
Extractor / Matcher	MINEX certified and compliant
CPU	1.2 GHz
Memory	4GB Flash + 64MB RAM
Template Count	User: 10,000 Template: 20,000 (Two templates per finger) Logs: 1,000,000
LCD	1.77" color LCD
Sound	16-bit Hi-Fi
Ethernet	10/100 Mbps, auto MDI/MDI-X
RS-485	1ch Host or Slave (Selectable)
Wiegand	1ch Input or Output (Selectable)
TTL	2ch Input
Relay	1 Relay
Ingress Protection	IP67
Power	DC 12V
Operating Temperature	-20°C ~ 50°C, (BLN2-PAB: -10°C ~ 50°C)
Operating Humidity	0% ~ 80%, non-condensing
Dimensions (WxHxD)	58 x 190 x 44 mm
Certificates	CE, FCC, RoHS, REACH, WEEE, FBI PIV (BLN2-PAB sensor only)

*DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with BioLite N2.



CLIENT REQUIREMENTS

- Dedicated Plug point within 3 meters
- Surge Protector on the outlets where devices will be plugged
- Backup power onsite in case of power outage
- LAN connection, LAN Cable is needed with RJ45 pulled to device connection point
- Non conflicting IP Address, Subnet Mask and Gateway for LAN connection

3RD PARTY SERVER REQUIREMENTS

Please be advised that this device does not link directly to the online ERSBio portal and will connect via Suprema integration software installed on a designated pc/server that needs to meet the below requirements:

Operating System:	Windows 10/ Windows Server 2008/ Windows Server 2012/ Windows Server 2016/ Windows Server 2019 64-bit
Supported Databases:	PostgreSQL/ MS SQL Server/ Oracle
Recommended Browser Versions:	Internet Explorer 11+/ FireFox 27+/ Chrome 33+
CPU:	Dual core processor with speeds of at least 2.4GHz
Memory:	8GB or above
Storage:	50GB free space or larger (NFTS Recommended)
Monitor Resolution:	1024x796 or above
Internet Speed:	Minimum 20 MegaBytes/s download and 10 MegaBytes/s Upload speed (consistent speeds required)

