BioLite N2

Outdoor IP Fingerprint Terminal

BioLite N2 is a Suprema's 2nd generation outdoor fingerprint terminal that provides comprehensive access control and time attendance features based on Suprema's latest biometric technology and security platform. BioLite N2 provides class-leading performance and security by featuring Suprema's latest fingerprint algorithm coupled with world's best fingerprint sensor. Packed in a rugged IP67 housing, BioLite N2 added flexibility in system design with multi-class RFID reading technology.

suprema
SECURITY & BIOMETRICS

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Features

Best-in-class Performance
- Latest Suprema fingerprint algorithm
- Powerful 1.2 GHz CPU

Multi RFID Card Reading
- LF(125kHz), HF(13.56MHz) dual band
- Reads all card types including Mobile Card (NFC and BLE)

Advanced Accuracy & Security
- High-precision OP6 optical sensor

IP67 Certified Dust & Water Protection
- Ideal for harsh environment and outdoor installation

Full Time Attendance Features
- Color LCD with Keypad for time attendance functionality

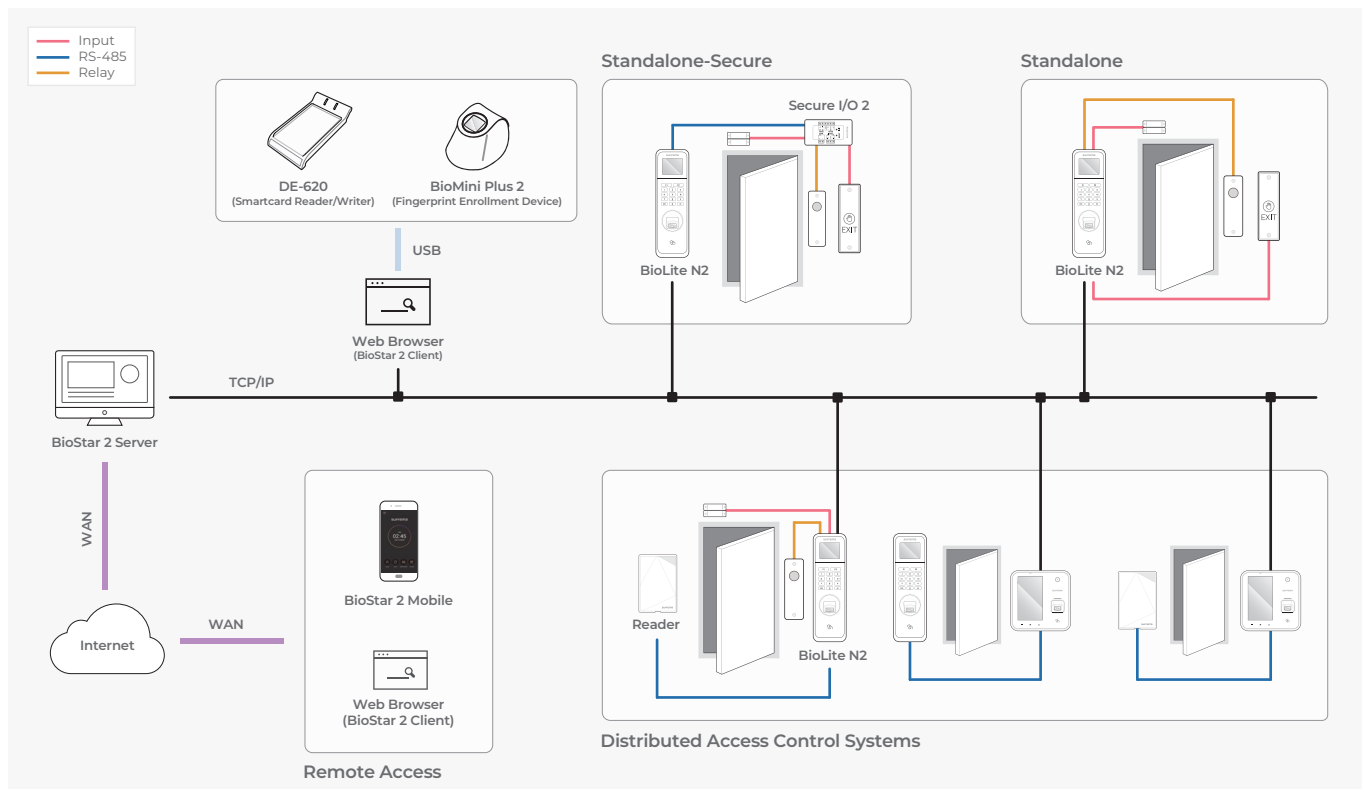**FBI PIV(FAP 10) certified (BLN2-PAB Sensor only)**
- OEM SFU-550 (SFU-P2) & fingerprint sensing module OPV single finger livescan capture device without membrane at 500ppi (PIV-071006 and Mobile ID FAP 10)

Specifications

Model Name	BLN2-ODB	BLN2-OAB, BLN2-PAB
RF Option	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 SE/SR/Seos
Biometric	Fingerprint	
LFD (Live Fingerprint Detection)	Supported (SW-based)	
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	
Max. User	10,000	
Max. Template	20,000*	
Max. 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 Input	2ch Input	
Relay	1 Relay	
Ingress Protection	IP67	
Tamper	Supported	
Power	DC 12V 0.4A	
Operating Temperature	-20℃ ~ 50℃, (BLN2-PAB: -10℃ ~ 50℃)	
Operating Humidity	0% ~ 80%, non-condensing	
Dimensions (WxHxD, mm)	58 x 190 x 44 (Bottom) / 34 (Top)	
Certificates	CE, FCC, KC, RoHS, REACH, WEEE, FBI PIV(BLN2-PAB Sensor only)	

* DESFire EV2/EV3 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with BioLite N2.

* Two templates per finger

System Configurations

Legend: Input / RS-485 / Relay

DE-620 (Smartcard Reader/Writer)
BioMini Plus 2 (Fingerprint Enrollment Device)
USB
Web Browser (BioStar 2 Client)
TCP/IP
BioStar 2 Server
WAN
Internet
WAN
BioStar 2 Mobile
Web Browser (BioStar 2 Client)
Remote Access

Standalone-Secure
Secure I/O 2
BioLite N2

Standalone
BioLite N2

Reader
BioLite N2
Distributed Access Control Systems