

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.

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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

Biometric	Fingerprint								
Sensor Type	Optical Sensor (OP5)								
Template	SUPREMA / ISO 19794-2 / ANSI 378								
Extractor / Matcher	MINEX certified and compliant								
LFD	Supported								
RF Option	<table><thead><tr><th>B52-OEPW</th><th>B52-OHPW</th><th>B52-OIPW</th><th>B52-OMPIW</th></tr></thead><tbody><tr><td>125 KHz EM</td><td>125 KHz HID Prox</td><td>13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FelICa, iCLASS SE/SR, NFC, ISO14443A/B, ISO15693</td><td>13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FelICa, NFC, ISO14443A, ISO15693</td></tr></tbody></table>	B52-OEPW	B52-OHPW	B52-OIPW	B52-OMPIW	125 KHz EM	125 KHz HID Prox	13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FelICa, iCLASS SE/SR, NFC, ISO14443A/B, ISO15693	13.56MHz MIFARE, MIFARE Plus, DESFire/EV1, FelICa, NFC, ISO14443A, ISO15693
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CPU	1.0 GHz Single Core								
Memory	8GB Flash + 256MB RAM								
Max. User	500,000 (1:1), 20,000(1:N)								
Max. Template	1,000,000(1:1), 40,000(1:N)								
Max. Logs	3,000,000(text)								
LED	Multi-Color								
Sound	16-bit Hi-Fi								
Ethernet	Supported (10/100 Mbps, auto MDIX)								
RS-485	1ch Host or Slave (Selectable), OSDP V2.1.6								
Wiegand	1ch Input, 1ch Output								
TTL	2ch Inputs, 2ch Outputs								
Relay	1 Relay								
PoE	Supported (IEEE 802.3af compliant)								
Tamper	Supported								
Power	Voltage: DC 12V Current: Max. 1A								
Operating Temperature	-20°C ~ 50°C								
Operating Humidity	0% ~ 80%, non-condensing								
Dimensions (WxD, mm)	142 x 145 x 45 mm								
Unit Weight	440g								
Certificates	CE, FCC, KC, RoHS, REACH, WEEE								

Product Specifications

Category	Feature	Specification
Main	Biometric	Fingerprint
	IP Rating	IP 65
	RF Option*	<ul style="list-style-type: none"> BS2-OMPW: 13.56Mhz MIFARE, MIFARE Plus, DESFire/EV1, FeliCa, NFC BS2-OIPW: 13.56MHz iCLASS SE/SR/Seos BS2-OHPW: 125kHz HID Prox BS2-OEPW: 125kHz EM
Capacity	Max. User (1:1)	500,000
	Max. User (1:N)	20,000
	Max. Template (1:1)	1,000,000 (Two templates per finger)
	Max. Template (1:N)	40,000 (Two templates per finger)
	Max. Text Log	3,000,000
Interface	Wi-Fi	Yes
	TCP/IP	Yes
	RS-485	1ch Host or Slave (Selectable)
	Wiegand	1ch Input, 1ch Output
	TTL Input	2ch Inputs, 2ch Outputs
	Relay	1 Relay
	USB	USB 2.0 (Host)
Relay	Voltage	Max. 24VDC
	Current	0.5A, Max. 1.A
Hardware	CPU	1.0 GHz
	Memory	8GB Flash + 256 MB RAM
	LCD	2.8" QVGA Color LCD
	LED	Multi-Color
	Sound	16-bit Hi-Fi
	Operating Temp.	-20°C ~ 50°C
	Tamper	Yes
	Power	9V ~ 18V
	PoE	Optional
	Dimensions (W x H x D mm)	142 x 144 x 45(38)
	Certificates	CE, FCC, KC, RoHS, REACH, WEEE

* For detailed information on our supported card list, contact Suprema technical support team at support@supremainc.com.