

# suprema

# BioStation

## Innovative Fingerprint Terminal



**BioStation** | Incorporating Suprema's industry-leading fingerprint recognition algorithm, BioStation offers a perfect solution for time attendance and access control. With a color LCD and high quality sound, BioStation provides a different level of user interaction using multimedia information. Versatile interface options including wireless LAN and USB memory slot enable easy network integration and data transfer without any wiring.



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## Innovative Fingerprint Terminal

### Features



#### 2.5" 16M Color LCD

Display messages, video, animation and photos to convey various information and notices



#### Wi-Fi Wireless LAN

Easy network integration and data transfer from PC using wireless network without cabling



#### Industry leading fingerprint identification speed and capacity

Identify 3,000 fingerprints in 1 second and store maximum 50,000 fingerprints and 500,000 events in internal memory



#### Multiple RFID cards : Mifare, Proximity (EM, HID)

Offer a wide selection in authentication mode and easy security system upgrade from EM, HID Prox or Smart card reader



#### USB memory slot

Easy data transfer to PC or other BioStations using a USB memory device



#### High quality sound

16 bit Hi-Fi sound for background music, sound effect and voice instruction



### Specifications

- \* CPU : Dual CPU (32bit RISC + 400MHz DSP)
- \* Memory : 72MB flash + 34MB RAM
- \* Display : 2.5" QVGA 16M Color LCD
- \* Fingerprint identification speed : 3,000 match in 1 second (max 9,720 templates)
- \* Fingerprint capacity : 50,000 templates (25,000 fingerprints)
- \* Log capacity : 500,000 events
- \* RF Card : Mifare (13.56MHz), Proximity (125 KHz EM, HID Prox)
- \* Network interface : Wireless LAN (optional), TCP/IP, RS485
- \* PC interface : USB, RS232
- \* USB memory slot : USB Host
- \* Output relay : Deadbolt, EM lock, door strike, automatic door
- \* Wiegand I/O, 4 TTL I/O
- \* Microphone and speaker for door phone
- \* Navigation key for menu movement
- \* 4 Function keys for user-defined functions
- \* Operation modes : Fingerprint, PIN, PIN + Fingerprint Card, Card + Fingerprint, Card + PIN (RF model)
- \* Size : 135 x 128 x 50mm (W x H x D)

### Secure I/O

- Accessory unit for secure door control and I/O expansion
- Encrypted communication with BioEntry Plus for enhanced security

- \* 16MHz 8bit microprocessor
- \* 4 digital inputs and 2 relay outputs
- \* Size : 143 x 82 x 35 mm (W x H x D)



### Model Information

Model	Fingerprint Sensor		
	OC(optical)	TC(capacitive)	FC(thermal)
BioStation	BST-OC	BST-TC	BST-FC
BioStation Wireless	BSTW-OC	BSTW-TC	NA
BioStation RF(EM)	BSR-OC	BSR-TC	NA
BioStation RF Wireless	BSRW-OC	BSRW-TC	NA
BioStation Mifare	BSM-OC	BSM-TC	NA
BioStation HID(Prox)	BSH-OC	BSH-TC	NA

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