

Biostation Fingerprint Terminals

FINGERPRINT OPERATION

Due to an accurate matching algorithm within the Biostation standard fingerprint entry has a match of 1:N validation up to 50,000 templates (25,000 fingerprints). Identification speed is 3000 templates/second. Enrollment time onto the system using fingerprint entry only is generally under 5 seconds and the clock can store up to 500,000 clocking transactions.

FINGERPRINT + PIN

The Biostation can also be set to an authentication mode which uses a fingerprint entry in conjunction with a unique PIN. This provides a set up 1:1 verification (finger + PIN) where the presented finger is verified with the fingerprint template stored against an entered PIN. This method provides a more reliable match compared to fingerprint entry alone.



The Biostation incorporates a leading-edge fingerprint recognition algorithm making it one of the most reliable fingerprint readers on the market.

Biostation fingerprint readers offer an impressive biometric time & attendance solution suitable for offices, hotels and other such organisations where an attractive unit is required.

Incorporating a 2.5 inch colour LCD screen and high quality sound, the Biostation provides a different and modern user interaction using multimedia information. The display can also be configured to show messages, videos, animation, logos and photos thus making it unique to your company. The various communication options also allow the Biostation to be used in many different locations.

There are a range of authentication modes for this terminal to suit user requirements these include; fingerprint only, PIN only, card and fingerprint or fingerprint and PIN. The Biostation can be adapted to suit your specific requirements, whilst providing a high level of security for uniquely identifying individual employees.

- The Biostation terminal is a biometric clocking terminal, ideal to prevent buddy clocking and issues with lost cards.
- Versatile interface options available including; TCP/IP, RS485, Wi-Fi Wireless LAN, USB Memory stick, easy network integration and data transfer
- A variety of different RFID formats can be incorporated into a Biostation including HID proximity and Mifare
- The Biostation has a huge employee capacity of 25,000 with space for 500,000 clocking transactions
- Very advanced sensor technology and biometric algorithm
- Integrated intercom facility also available

The Biostation is available with three different finger reader sensors. However, we only provide the Biostation with a capacitive reader as it is more suitable for use with dirty/oily fingers and we find it to be the most reliable of all the Biostation options that are currently available.

RFID PROXIMITY

Mifare and HID proximity cards can also be used with fingerprints on the Biostation terminal rather than a PIN (optional).

TOLERANCE

The Biostation can be easily adjusted to achieve the required tolerance balance between accuracy and inconsistent finger positioning.

USB MEMORY SLOT

Clocking data can be easily transferred to the PC using a USB memory device.



Biostation Detail Chart

	Capacitive Biostation
Type of Sensor	Capacitive
Resolution dpi	508
Sensing Area	12.8 x 18.0mm
Image (pixel) Size	256 x 360
RFID Mifare	YES (optional)
RFID HID	YES (optional)

Technical Details

Dimensions:	135mm (W) X 128mm (H) X 50mm (D)
Display:	2.5" QVGA 16M Colour LCD
Clockings:	500,000 log events
Capacity:	50,000 templates (25,000 employees)
Memory:	72MB flash + 34MB RAM
Identification:	1 to 3,000 identification in 1 sec (max 9,700 templates)
Interface:	Wi-Fi Wireless LAN (optional), TCP/IP, RS485
USB Memory Slot:	USB Host
Op. Mode:	Fingerprint, Fingerprint + PIN, PIN, Card + Fingerprint
Navigation:	Navigation key for the menu movement
Function:	4 Function keys to user-defined functions
Power:	9V DC power supply
Sound:	16 bit Hi-Fi sound for background music, sound effects & voice interaction

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