SF1007A+

Body-Temperature & Mask Detection with Face, Fingerprint, & Palm Recognition on Android Platform

OVERVIEW:

SF1007A+ is a multi-purpose biometric reader with a 7-inch display designed to provide users a touch-less check-in/out and body-temperature detection for access control, visitor management, and any other applications requiring user identification.

This Android-based biometric reader also incorporates an integrated multi-frequency prox card reader and embedded multi-biometric face, and fingerprint recognition capabilities. SF1007A+ also has an integrated thermal camera which can detect body-temperature within +/- 0.6 ° F accuracy. SF1007A+ can also be programmed to trigger an audio/visual alert and send notifications whenever elevated body temperature is detected.

SF1007A+ can also serve as a platform for Android application developers. Its embedded development kit (EDK) combined with a demo code and documentation provides Android developers all the tools required to develop their own application. SF1007A+ facilitates the rapid deployment of any third-party Android applications, thus allowing developers to go to market quickly and cost-effectively.

Ideal applications includes visitor management, access control, event management, gym membership and any other applications requiring accurate user identification with body-temperature measurement.

FEATURES:

- 7-inch touchscreen display
- Supports up to 10,000 faces & fingerprints
- IR based temperature sensor
- TCP/IP and WiFi communication options
- Dual infrared and visible light cameras
- Superior accuracy & matching speed
- Powerful anti-spoofing engine
- One face template per user. No need to additionally enroll face with mask.
- Multi frequency card reader module
- Triggers audio/visual alarms
- Unlock doors/gates/turnstiles
- SDK available for Android application developers

SPECIFICATIONS:

Hardware
Quad-Core A17 Rockclip
2GB RAM
16GB ROM
Android: version 5.1

Power Supply
Power Requirement: 12VDC, 2A

Communication
TCP/IP
WiFi
Wiegand Input/Output

Access Control Interface
Lock Relay Output
Exit Button
Alarm Output
Door Sensor
External Bell

Additional Info
Storage Temperature: -40 to 140°F Operating Temperature: 32 to 122°F Storage Humidity: 20 to 93% Operating Humidity: 20 to 90%

Capacity
Facial Templates: 10,000
Fingerprint Templates: 10,000
Prox Cards: 10,000
Transactions: 100,000

Supported Formats
HID multi-frequency card formats
M01 (ID card only)
IC01 (Mifare, Desfire, CPU)
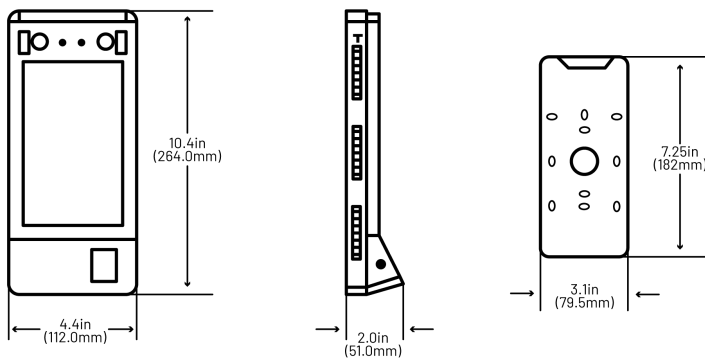B133 (ID, Mifare, Desfire)

Certifications
CE
FCC

Temperature Detection
Body-Temperature Accuracy: 0.6°F Measurement
Distance: 15- 18 inches
Mask Detection: Yes

*Body-temperature accuracy +/- 0.6 °F when installed in climate controlled rooms.

DIMENSIONS:

10.4in (264.0mm)

4.4in (112.0mm)

2.0in (51.0mm)

7.25in (182mm)

3.1in (79.5mm)

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Manufacturers' Disclaimer:
The SF1007A+ is not an FDA-cleared device.
SF1007A+ incorporates a telethermographic system intended to provide an initial body temperature reading for triage use, only.
Body temperature readings recorded by SF1007A+ should not be relied upon to diagnose or exclude a diagnosis of COVID-19, or any other disease.
Elevated body temperature readings by SF1007A+ should be confirmed with secondary evaluation methods (e.g., clinical grade contact thermometer).
Public health officials should determine the significance of any elevated temperature based on the body telethermographic temperature measurement reported by SF1007A+.