

Futronic FS28

Portable bluetooth fingerprint system



Bioidentidad Futronic FS28 is a portable bluetooth fingerprint scanner whose capture quality is certified by the FBI for mobile applications (PIV - Personal Identity Verification - Mobile ID FAP 20) and complies with FIPS 201 information processing standards for the verification of people's identity.

Its large capture window generates fingerprint images of 420 x 300 pixels and is made of a special glass that is 14mm thick, resistant to scratches, liquid ingress and other types of stress, ensuring its use in harsh environments. It has excellent performance for use with various types of skin and environmental conditions.

High-quality portable biometric fingerprinting and identification with bluetooth communication

GENERAL FEATURES

Bioidentidad FS28 is a mobile terminal, equipped with CPU processor, memory, internal lithium battery, LCD screen, buttons, Bluetooth wireless communication and usb port.

It has integrated biometric processing functions, which work together with its advanced optical precision system with CMOS technology sensor, which meet the rigorous requirements of fingerprint image quality required by the PIV-071006 standard and certified by the FBI.

It is compatible with the most popular platforms in the market through Bluetooth communication, including Windows, Android and BlackBerry.

It has several integrated biometric functions, which meet international fingerprint standards, including:

- Fingerprint capture (WSQ format).
- Biometric enrollment (ANSI/INCITS 378, ISO/IEC 19794 template formats)
- Biometric identification (NIST MINEX certified algorithm)

It can also be used as a portable time and attendance terminal, recording the date and time of each recognized person.



The FS28 Bluetooth handheld fingerprint scanner is internationally recognized for its high quality, which has been certified by the FBI for mobile applications. Its internal hardware allows it to be used in conjunction with a PC, laptop, tablet or smartphone in applications where high mobility is required. It can also be used as a standalone terminal in time and attendance or blacklisting applications.



PROVEN QUALITY

The high quality of the FS28 is endorsed by internationally recognized security organizations such as the FBI, NIST, GSA, among others.



HIGH PERFORMANCE

The FS28 will surprise you. The fingerprint capture is very fast and the fingerprint can be displayed quickly, everything with ideal quality.



MAINTENANCE FREE

Made with state-of-the-art electronic technology and no moving parts, it is designed to have an MTBF* of more than 50,000 hours.

(*MTBF: Mean Time Between Failures)



"The safety and reliability of our systems is driven by the most demanding needs of our customers, and our goal is to exceed their expectations."



Bioidentidad® provides high performance solutions for people identification and control.

With more than two decades of experience in research, development, manufacturing, consulting, project implementation, distribution and support, it is the preferred choice of biometrics experts.

COMPATIBLE PLATFORMS

We offer compatibility with the widest variety of platforms on the market, including:

- Windows 11, 10, 8, 7, Vista, XP, or higher, 32bit y 64bit
- Android 3.1 or higher



SOFTWARE AND SDK

Bioidentidad can supply the application or software development kit (SDK) according to the requirements of your project, so the FS28 can be controlled via Bluetooth to perform tasks such as capturing the fingerprint image, uploading and downloading biometric templates, downloading logs and displaying messages on the LCD screen, in compliance with the required international biometric standards (ANSI/INCITS 378, NIST MINEX, ISO/IEC 19794, ANSI/NIST-ITL 1-2011, among others).

Due to the high quality of fingerprint capture, great durability and its excellent level of compatibility, the FS28 is recommended by a variety of biometric and AFIS manufacturers worldwide.

TIME ATTENDANCE CONTROL

The FS28's internal features allow it to be used as a mobile and portable time attendance system. It can also be used as a blacklist detection system (wanted or unwanted persons).

WARRANTY

The high quality of Bioidentidad products allows us to grant up to five (5) years warranty*.

* The extended warranty does not include the battery.

TECHNICAL SPECIFICATIONS

- Sensor type: Optical CMOS with 14mm thick high durability glass prism.
- Live finger detection: Advanced Live Finger Detection (ALFD).
- Image resolution: 500 dpi, 256 gray levels. 480 x 320 pixels
- Scanner area: 24.38 x 16.26mm
- Scanner illumination: 4 infrared LEDs
- Image quality: FBI certified according to PIV and FAP 20 standards
- Screen: LCD, matrix 128x64 dots
- Visual indicators: red/green LED
- Sound indicator: buzzer
- Wireless communication interface: Bluetooth 2.1, class 2, 10 meters range.
- Communication interface: USB 2.0
- Battery charging: via USB port
- Battery: 3.7V lithium 1500mAh
- Power consumption:
 - Active: 250mA
 - Idle: 22mA
 - Power off: 2.5mA
- Internal memory:
 - Templates: 1,000
 - Attendance logs: 100,000
- Operating range: -10° to 55°C
- Dimensions: 130 x 82 x 30 mm
- Weight: 400 grams
- Technical standards:
 - FBI IAFIS Image Quality Specifications (IQS) Personal Identity Verification (PIV) Single Finger Capture Device Specifications
 - FBI EBTS Appendix F Mobile ID FAP 20
 - GSA FIPS 201 PIV-071006 IQS
 - FCC, CE
 - RoHS
 - BMP, WSQ (IAFIS-IC-0110)
 - NIST MINEX, ANSI INCITS 378
 - ISO IEC 19794



INTEROPERABLE TECHNOLOGY

Because the Bioidentidad FS28 complies with international biometric standards, fingerprints captured with it can be used in a variety of systems, platforms and AFIS, regardless of the vendor.



EASY INSTALLATION

The drivers are user-friendly and are available for the widest variety of operating systems.



PERMANENT TECHNICAL ASSISTANCE

Bioidentidad provides specialized technical assistance, accompanied by warranty and experienced biometric consulting.



The fingerprint obtained with the FS28 is of such high quality that even the pores located on the finger ridges can be appreciated.

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