

BIOMETRIX SERIES 3000™

BIOMETRIC ACCESS CONTROL DEVICE

WHY BIOMETRIX™ SERIES 3000?

Biometrix Series 3000 (S3K) is a fingerprint authentication access control device with embedded network connectivity. The combination of Biometrix state-of-the-art image processing techniques, its proprietary signal enhancer and finger positioning system, **Alufinger™**, plus **AuthenTec's** fingerprint sensor technology, **TruePrint™** provides S3K with extremely fast and accurate results.

Biometrix Series 3000's superb performance and convenient features -such as several digital inputs and outputs, backlit LCD display, alphanumeric membrane keypad, tamper switch, electrical isolation, extra ESD protection and a heavy-duty ABS plastic casing (Flame Retardant UL94-V0)- offer an outstanding solution for access control and time & attendance applications.



APPLICATION FIELDS

Office entrances, security areas and time and attendance systems are just a few of the applications that Biometrix Series 3000 can efficiently handle. The integrated inputs and outputs give Biometrix Series 3000 the ability to control data to and from a wide scope of digital devices, such as electric door locks, turnstile solenoids, lighting systems, motion sensors, push buttons and crystal break detectors just to mention a few.

CENTRALIZED MANAGEMENT

Though Biometrix Series 3000 has the ability to work in single unit systems, multiple devices attached to a network can be controlled by a single PC. This gives the system the ability to manage several hundred devices - which could be installed in different buildings and areas- from a centralized location.

NETWORK INTEGRATION

SPECS (Small Peripherals Ethernet Connectivity System) -Biometrix's patent pending network technology- gives S3Ks the unique ability of communicating through a network (LAN) using very few hardware resources at an outstanding response time. The process is as easy as assigning an IP address to each Biometrix Series 3000 through its keypad; the host software will then seamlessly take control of each S3K attached to the LAN.

THIRD PARTIES SOFTWARE INTEGRATION

Biometrix Series 3000 Software Developer Kit (S3K-SDK) allows software firms to integrate Series 3000 functionality into their software. It includes all the functions necessary to command Series 3000 features and manage the authentication processes.

CONFIDENTIALITY

In Biometrix Series 3000 systems actual images of fingerprints are never saved. Binary templates based on some of the characteristics of enrolled fingerprints are kept in a database for later authentication. Those binary templates can by no means be used to regenerate the original images of the enrolled fingerprints, not even by the system used to calculate the template.

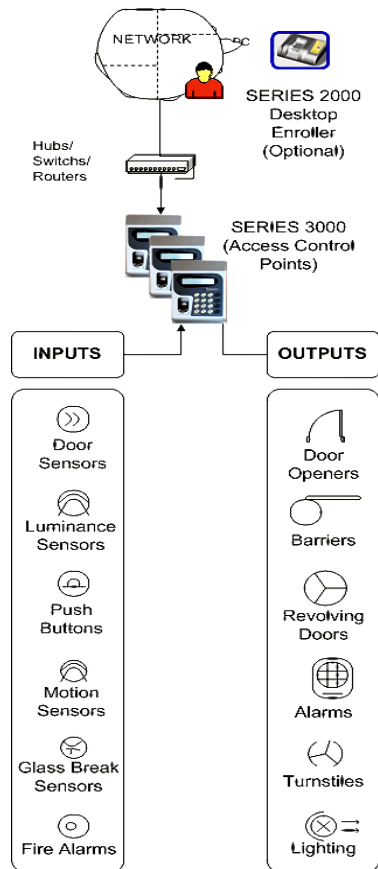
IMAGE PROTECTION

Images running through the network have been protected through different concurrent methods, such as random image segmentation, challenge response and algorithmic encryption.

FAULT TOLERANCE

Biometrix Series 3000 features include the possible use of a second host PC running as a back-up to automatically take control of the system in case the first host PC stops responding unexpectedly.

Typical Connection Diagram



WHY AUTHENTEC™ SENSORS?



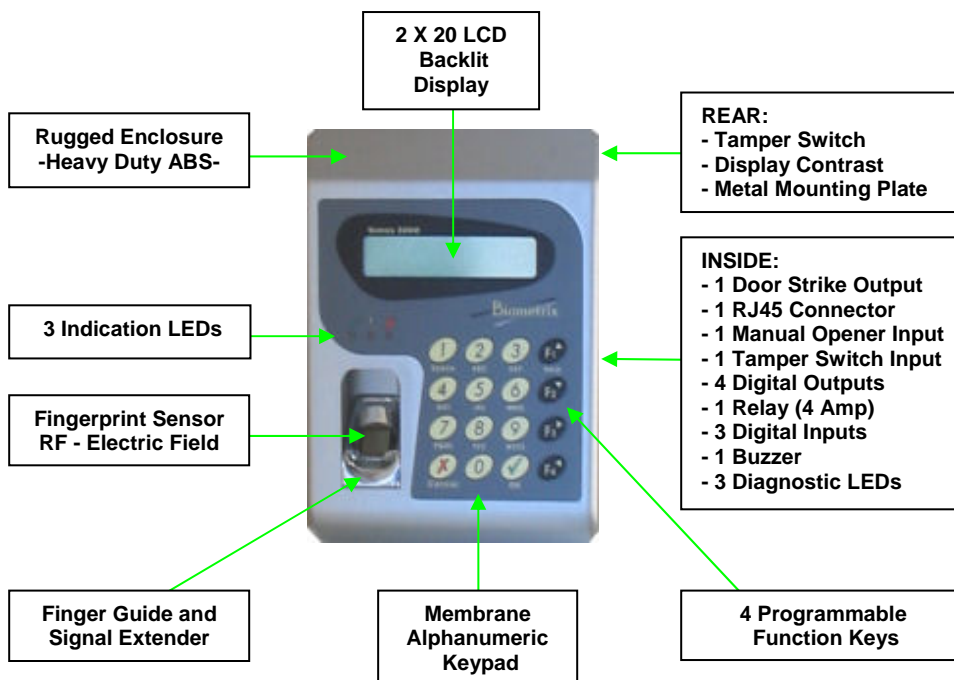
The exceptional speed and reliability of **AuthenTec's** AF-S2 sensors is based on the active antenna array of more than 16,000 elements which looks past the easily obscured outer layer of the skin or epidermis to the living layer below where the unique ridge and valley patterns of the fingerprints originate. The sensor manages to combine the output of the thousands of individual elements to form an accurate, undistorted image of the fingerprint, outperforming any other existing technology (optical, capacitive, thermal, etc). The fingerprint detection surface, contained in a chip (CMOS IC), is protected by a transparent ceramic coating (Mohs 7+, much harder than glass) to resist every day use, abrasion and wear.

AuthenTec Inc. has been named by Fortune in 2005 as one of the 25 more innovative and effective technology developers in the world.

Biometrix Series 3000 - System Requirements

Component	Minimum Acceptable	Recommended
Admin. Software PC	Pentium III – 1 GHz.	Pentium IV- 3 GHz.
Free RAM	64 Mbytes available	128 Mbytes available
Free Hard Disk Space	50 Mbytes	100 Mbytes
Operating System	MS-Windows® 98 SE	MS-Windows® XP-SP2+ 2000 SP4+
Power Supply Range	8 to 12 V DC @500mA	9 V DC @500mA
Network	Ethernet 10 Mbits.	Ethernet 10/100 Mbits.

Biometrix Series 3000 Features



Specifications

- Communication: Ethernet
- Connector: RJ45
- Configuration: IP Address
- Sensor: AuthenTec AF-S2
- Power: 9 to 12V@500mA
- Net Weight: 1.7 lbs. (770 gr.)
- Width: 5.669" (144mm)
- Height: 7.874" (200mm)
- Depth Max: 2.047" (52mm)
- Depth Min: 1.339" (34mm)
- Operating Temp.: 0° – 50°C

Accessories

- Power Supply
- Wi-Fi Bridge
- Power Over-Ethernet
- Weather Enclosures
- Additional Tamper Switch

For More Information on Biometrix Products please Visit our Website at:

www.biometrix.net