

Connect Tech and Biometrics: An Application Story

Once the domain of spy films and sci-fi authors, access control solutions based on biometrics are making a strong imprint in today's security-conscious world.

Fingerprints, and other "biological" identifiers, involve a higher degree of access control than badges or passcodes, which can be lost, stolen or forgotten.

Advances in the science of biometrics and computer technology are leading to the production of systems for use in a variety of every day situations, like writing a check at a store or accessing a bank deposit box. Airports are testing eye scanners to expedite the check-in process for frequent fliers; and businesses are researching tamper-proof biometric time cards.



Connect Tech has been a part of this exciting technology for a number of years. A leading developer of turnkey Biometric Access solutions has partnered with **Connect Tech** and our reliable communications hardware since 1998. Based in Spain, they provide companies worldwide with secure access to vehicles, buildings, computer systems, and payment transactions, through the use of fingerprint signatures.

Connect Tech's Blue Heat-2/PCI RS-485 is located within these fingerprint terminals to pass information from the scanner to the computer interface, where authenticated fingerprints are stored. The product relies on the uniqueness of an individual's finger to authenticate identity. These authentication devices can be integrated into any system, whether it be access to sensitive areas within a company, or simply logging on a verification time clock.

Originally, Connect Tech provided the ISA based **DFlex-2 RS-485** cards, chosen for their ability to connect to the terminal at a baud rate customized for the customer. In 2001 the customer decided designing around the ISA bus was no longer practical, and they upgraded to a PCI bus system. The decision to remain with **Connect Tech** was based on past reliability, quality and value, and the **Blue Heat-2/PCI RS-485** was introduced into their design.

Any security system is only as good as its ability to communicate the identifying information, and Connect Tech's Blue Heat ensures trouble free data transfer, and therefore, reliable security.

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About Connect Tech:

Since 1985, Connect Tech has provided the globe with connectivity solutions. Committed to excellence in both product design and customer satisfaction, Connect Tech continues to build on a reputation for manufacturing high performance ISA, USB, PCI, PC/104, cPCI multi-port serial adapters for personal computers.



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