

# NetSecure



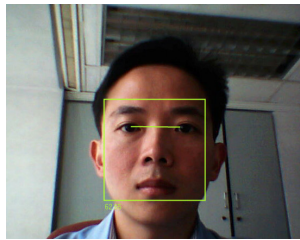
Family of Internet-ready Security and Access Control Solutions

## Biometrics Solutions and Systems Integration

### NetSecure Solutions

- Biometrics and Smart Cards
- Radio Frequency Identification
- Physical Access Controls
- Network and Desktop Access Control

Biometrics refer to measurable, physical characteristics or personal behavioral traits used to recognize the identity, or verify the claimed identity, of a person. Several biometrics can be used including hand geometry, iris scan, fingerprint patterns, facial characteristics, voice prints, and even traditional hand written signature.



Facial recognition allows very fast matching for law enforcement applications

print, facial or iris patterns, can be stored securely in smart cards. Together, they can be used to implement secure, off-line e-commerce transactions like e-ticketing. Potential applications abound for industries like transportation, telecommunication, healthcare, government and banking.

Mozcom can develop solutions to companies looking into

deploying biometrics-based applications in a wide-area network.

The **NetSecure Lite (NSL)** family of standalone devices use fingerprint recognition technology to perform reliable timekeeping and access control. It runs on an embedded Linux operating system. Using

embedded optical scanners, they do not require a PC to run.

The NSL units can be fitted with an RFID (Radio Frequency Identification) reader for extra security. It also supports access control with built-in interface to electromagnetic and strike locks.

The NSL units have built-in USB ports for off-line backup or data retrieval. They also have Ethernet ports for real-time communication.



The NSL-210 supports door access control and supports TCP/IP.

Sensitive data or secured areas can be protected using biometrics. Unlike passwords or physical keys, biometrics cannot be lost or forgotten, and is always carried along by the owner wherever he goes.

Biometric characteristics like finger-



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## Biometric Products and Technologies for Application Dev't

**Mozcom** is a reseller of **DigitalPersona** products and the exclusive distributor of **Neurotechnology's** biometric software development kit (SDK) and licenses in the Philippines.

Founded in 1996, **DigitalPersona** is a leader in biometric hardware and software authentication. Its technology was developed in Cal Tech by experts in pattern recognition and artificial intelligence. Over 30 million users and hundreds of thousands of systems in production use **DigitalPersona** technology.



digitalPersona.

**Neurotechnology**, a Lithuania-based company, provides algorithms and

software development tools for biometric fingerprint and face recognition, computer-based vision and object recognition, to security companies, system integrators and hardware manufacturers. More than 1,900 system integrators and sensor providers in more than 60 countries license and integrate the company's technology into their own products.

The company's **Megamatcher** large-scale, multi-biometric face, iris and fingerprint technology was recently used to implement the **Department of Health's** fingerprint-based drug testing program called Integrated Drug Testing Operations and Man-

agement of Information System (IDTOMIS). IDTOMIS replaces the old database system used for drug testing which was prone to abuse.

By requiring biometric scanning for drug testing clients, the system assures their identity and that no misrepresentation will occur. Non-appearance will also be prevented by this new requirement. Partner agencies like the LTO, PNP and others, can easily verify the authenticity of the certificates by simply accessing the IDTOMIS website.

**Mozcom** can provide solutions ranging from hardware and software components only; to consultancy on biometric application development; to full customized large-scale application development on a contractual basis. Call us to discuss your requirements.



# NetSecure





The NSL-100 TimeKeeper unit can be fitted with an RFID, barcode or magstripe reader based on user requirement.

## Radio Frequency Identification (RFID) Solutions

**Radio Frequency Identification (RFID)** is a method of remotely storing and retrieving data using devices called RFID tags. A tag is a small object, such as an adhesive sticker, that can be attached to or incorporated into a product. RFID tags contain antennae to enable them to receive and respond to radio-frequency queries from an RFID transceiver.

The purpose of an RFID system is to enable data to be transmitted by a portable device, called a tag, which is read by an RFID reader and processed according to the needs of a particular application. The data transmitted by the tag may provide

identification or location information, or specifics about the product tagged, such as price, color, date of purchase, etc.

RFID applications range from keeping track of warehouse and store inventory, to identifying cars or people for access control. RFID's are envisioned to eventually replace UPC/EAN barcodes used in retail products since it can store more information.

Vertical applications are in wide use for industries like transportation, healthcare, door access controls, retail, home and office building automation. Commercially avail-

able products exist that can be embedded under the skin of human to store personal medical information or animals for tracking purposes.

Mozcom carries an affordable line of RFID readers and tags. Mozcom can customize solutions using RFID based on customer requirements.

Mozcom also offers off-the-shelf RFID solutions like the NSL-100. It can monitor time and attendance over a network and can work in standalone mode with battery backup of up to 8 hours. It can be configured to read RFID, magstripe, or barcode ID's.

## Physical Access Control

Building on its core technology of biometrics, smart cards, RFID, pinpads, magstripe and barcodes, Mozcom integrates these technology with Internet access to provide the most feature-rich door access control product in the market.



The NetSecure

access control system differs from existing access control products primarily in its basic design philosophy. **NetSecure** was designed with Internet technology in mind. It does not matter whether you are using fingerprint scanners, or RFID readers or smart card readers at the user end. As long as all these devices are connected to an IP network, they can talk to the main **NetSecure** controller and control physical access to secure areas.

**NetSecure** works with electromagnetic plate locks, electric strike or bolt locks.



The locks are controlled by secure devices such as fingerprint scanners, proximity readers and smart card readers.

## Network and Desktop Access Control

Mozcom also offers solutions for protecting the network and the desktop from unauthorized access.

**DigitalPersona Pro** allows users to login to their Windows workstation or application by simply using their fingerprint. This increases corporate security while maintaining convenience. With traditional passwords, users easily compromise security by sharing them, writing them down or utilizing the same password for multiple applications.

Users can also encrypt their files using their fingerprint.

**Untangle** is a leader in Unified Threat Management (UTM). Its is a software suite comprising of best-of-breed open source applications that protects a network from intrusions and attacks. Applications include anti-virus/spyware/spam/phishing, firewall, web content and protocol control, virtual



private networking (VPN), intrusion detection and attack blocking.

Experience increase in employee productivity as you clamp down on unwanted web surfing during office hours. Your bandwidth will also get maximized by your network applications as you block illegitimate peer-to-peer downloads or unauthorized network gaming. Call us for a free network audit or assessment.

## About Mozcom

Mozcom was established in 1994, making it the Philippines' 1st commercial ISP. Its nationwide pure-IP backbone was the first of its kind, and to this day, provides the infrastructure that runs corporate virtual private networks (VPNs), the campus network of the major educational and research institutions, and provides true dialup roaming for mobile users from Northern Luzon to Southern Mindanao. Mozcom is expanding to provide total business solutions. It also specializes on open source, XML, Web Services, mobile, e-commerce, biometrics, smart cards and RFID technology.

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