

PRIVARIS®

Identity verification solutions for access control and transaction security

plusID overview

Introduction

Privaris specializes in identity verification solutions. The company's products biometrically authenticate users for the authorization of transactions, such as access to IT resources, facilities and financial applications. Privaris' flagship product, the **plusID™**, is a multi-function, personal biometric token that verifies its user's identity via fingerprint *before* releasing the necessary standard credentials for access to PC's, networks, doors, and vehicle gates, as well as for completing financial transactions.



A paradigm shift in the biometric industry

plusID represents an advanced technological trend in the security industry – the advent of “personal biometrics.” No longer does biometric security require the installation of specialized hardware and sensors on doors, gates and PC's. Users now carry their own personal biometric device in their pocket. The **plusID** device's built-in fingerprint reader and secure processor enable all of the biometric processing (including fingerprint template storage and matching) to be securely performed on the user's personal device, versus the conventional approach of installing biometric readers at every door, gate, PC or transaction point, and collecting and storing users' biometric data in a centralized system. **plusID** not only protects its users' personal privacy, but also eliminates the risk and expense to organizations of having to collect, store and protect employees' biometric data.

The device's owner retains their personal biometric data in their hands at all times. Users' stored fingerprint templates are never relinquished to a third party and never leave the device, making it possible to quickly and reliably verify users' identities, while protecting their identity from being compromised.

Industry standard compatability

A single **plusID** device supports multiple industry standard protocols, making the device out-of-the-box compatible with most existing security systems:

- 13.56MHz RFID (14443A & B, 15693 and NFC): works with smart card readers for physical access and contactless payments
- 125kHz RFID: works with HID, Indala, Kantech and CASI proximity door readers
- ISO 7816: works in place of smart cards and readers for PC and network logon
- Bluetooth™: for connecting wirelessly to computers and networks
- USB: for a wired connection to computers and networks
- IEEE 802.15.4: for long-range gate access from a moving vehicle at up to 100 meters

Rapid deployment

plusID's compatibility with existing infrastructure for logical access, physical access and contactless payments, enables its rapid deployment across enterprises – no new equipment, middleware, wiring, or software development is required.

It also allows **plusID** to be phased in incrementally, allowing for a partial biometric deployment to select employees or areas with a need for high security, while other employees can retain proximity or smart cards in different areas of a facility.

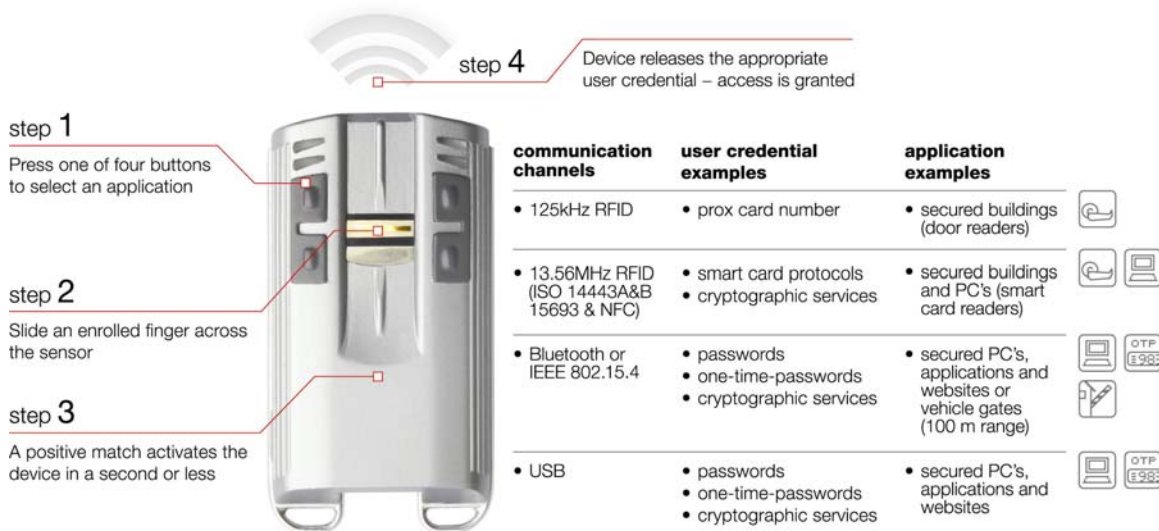
Security

plusID contains a secure processor (the BCM 5890) to perform trusted cryptographic operations, including challenge responses and full PKI. Additionally, **plusID** is designed to meet the FIPS 140-2 level 3 US government security standard for the tamper resistance of cryptographic devices, and is built to withstand both electronic and physical attack.

Privaris' self-contained approach to biometric authentication, coupled with the strong encryption capability of its secure processor, provide an unparalleled level of security for both users' biometric information and access credentials.

Using plusID

The **plusID** device is issued to individuals in an organization in the same manner as a proximity card or a smart card. Device issuance takes approximately three minutes and consists of 1) the user enrolling one or more fingerprints via the device's built-in fingerprint sensor, and 2) the Issuing Authority downloading card IDs, cryptographic keys/certificates, passwords, or other credentials onto the device. It is then ready for use. The average verification time during regular device usage is a second or less.



plusID from Privaris is a powerful solution to today's increased security needs, working across multiple applications with *existing* security infrastructure wherever reliable identity verification is required. The **plusID** device makes biometric security convenient enough to be a part of everyday life, while ensuring the protection of its user's privacy.

PRIVARIS[®]

Security with personal privacy

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