

DIGIPASS® DESK 850

The smart card reader that is radically different than all the rest. The Digipass Desk 850 supports e-wallet and PKI applications with stronger security and greater flexibility.

Do you want to future-proof your existing smart-card system, increase your network security and leverage your investment in a public key infrastructure (PKI) solution, without specialized programming? Now, you can – with the Digipass Desk 850, the advanced e-wallet/PKI device that provides the ultimate in versatility and security, supporting strong authentication and e-signatures for any customers you've authorized to carry your smart cards.



Digipass® Desk 850

Strong Security, Remarkable Flexibility

The Digipass Desk 850 significantly outperforms standard smart card readers, by offering an unprecedented level of security and flexibility for protecting valuable transactions and sensitive applications. In addition, the Digipass Desk 850 can leverage your existing investment in smart card technology by providing a cost-effective way to secure environments and applications that up till now were impossible or too expensive.

The Digipass Desk 850 is a PC/SC-compliant secure smart card reader with a USB connection – that can be used to protect your PC from viruses and Trojan horses, which could intercept your PINs and falsify valuable data before they are signed. Hence the Digipass Desk 850 becomes a trusted PIN pad, bypassing the PC keyboard to offer a secure way to enter a Personal Identification Number (“PIN”), or to review sensitive transaction data that has to be digitally signed.

Unlimited Versatility

But that's just the start: unlike traditional smart card readers that must be connected to a PC or other host device, the Digipass Desk 850 can function in a standalone, or unconnected, battery-powered mode as a strong authentication token. This makes it possible to secure data and transactions in a wide variety of environments – including many that are impractical for other smart card devices (e.g., hotel business center PCs; PCs with no connection ports available, or with incompatible operating systems; telephones; fax machines; interactive TVs, etc.)

Easy to Deploy and Low Cost of Ownership

Despite its extraordinary versatility, the Digipass Desk 850 is easy to deploy, easy to manage and cost-effective. Whether used in standalone or USB-connected mode, the Digipass Desk 850 requires no custom programming by the network owner or card issuer. Best of all, if your security infrastructure already incorporates other Digipass strong authentication devices, migrating to a smart card strategy based on the Digipass Desk 850 is simple as all Digipass family members are compatible.

The versatile Digipass Desk 850 provides a cost-effective way to combine the security benefits of a smart card with the strong authentication advantages of a security token. The Digipass Desk 850 can be delivered in volume and is extremely easy to use, minimizing the number of help desk calls.

How Digipass Desk 850 Works

The Digipass Desk 850 smart card reader can be used in almost any situation requiring secure remote access to a network or secured messaging. All manual data entry is done on a user-friendly keypad, with instructions (including corrective prompts) and graphics visible on a 2-line LCD display.

Standalone Mode

In the standalone mode, the Digipass Desk 850 emulates the proven strong authentication and e-signature technology of other Digipass tokens. The Digipass Desk 850 can be used on virtually any platform (PC or MAC, telephone or Internet.)

After inserting the smart card into the Digipass Desk 850, the user enters the card's PIN. The Digipass Desk 850 then automatically personalizes itself for that user by drawing on the smart card's PIN-protected resources. The Digipass Desk 850 can now generate one-time passwords for remote access to computer networks, calculate electronic signatures over transactions, or accept challenge messages and calculate the corresponding responses. Each insertion is treated as a unique event: as soon as the card is removed, all confidential data is immediately erased from the Digipass Desk 850, which reverts to a blank screen.

USB and Secure Modes

When plugged into the USB port of a PC, the Digipass Desk 850 becomes a fully PC/SC compliant smart card reader with enhanced, integrated security features. Via special commands, the Digipass Desk 850 can also be put into a secure mode: the user is either prompted to enter the smart card PIN on the Digipass Desk 850 keypad, or to review data that has to be electronically signed on the display. This feature prevents malicious software from accessing the smart card's resources without the user's consent, or from altering sensitive data without the user's knowing.

The Digipass Desk 850 thus provides a secure, yet transparent platform for securing on-line electronic transactions, enabling a wide range of data protection applications including loading and unloading electronic purses, on-line ticketing, PKI, and e-signatures.

Features

- High-contrast, 12-character, 2-line LCD (1 continuous 7 x 60 dot matrix line + 1 line of 12 7-segment characters)
- Tactile keypad with silicon rubber keys
- Intelligent battery management (providing 5-year service life in standalone mode)
- Supports DES and 3-DES
- Internal real-time clock
- Compatible with ISO7816 smart cards
- Support of T=0 and T=1 smart cards
- Compatible with existing host systems for other Digipass family members
- PC/SC compliant
- Can work as a secure PIN pad, or to validate specific data fields (e.g., amounts)
- Size: 63 x 95 x 16 mm
- Weight: 62 gr

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