Reflex 72 – Product Features and Benefits

REFLEX 20
Portable Smart Card Security

Introduction

Today the need for Smart Cards have grown enormously into the area of Network Security and Electronic Commerce resulting in an explosion of software applications that use the security features of Smart Cards. At Schlumberger, we understand that mass deployment of Smart cards can only be successful if users have the ability to use these Smart Cards not only everywhere, but anywhere. For people that travel or work remotely the need for a portable way to use smart card security has never before been so demanding.

Why the Reflex 20?

Over the last few years the cost of remotely working or mobile computing has

dramatically reduced thereby encouraging more and more people to replace their desktops computers with portable ones. This new way of working has allowed more and more users to work wherever they are. Working whilst travelling for business are now more demanding then ever.

This growth has introduced the need for Smart Card based solutions to secure all business transactions ranging from secure e-mails, security of the notebook computers to secure banking.

The need for a Smart Card reader that is not only portable, small or light, but also easy to connect and access has arrived.

Reflex 20 - Features

The Reflex 20 is a Smart Card reader that is designed to be used in a Type II PCMCIA slot. Unlike its competitors who make the PCMCIA readers out of plastic, the Reflex 20 is made of high quality alloy finished to look not only beautiful but professional.

Designed not only to be easily integrated into any notebook, the Reflex 20 is built to also withstand the abuse of high usage, frequent 'Hotswaps' and temperature variations that occur especially with some notebooks. Being a PCMCIA reader, the Reflex 20 draws the electrical power and also performs communication directly form the PCMCIA slot of the PC.

The small form factor of the Reflex 20 (9 cm x 5.5 cm x 0.4 cm) in an extremely light weight packaging makes it the ideal reader for using smart cards whne you are on the move.

PC/SC Plug n Play

Installation and complex drivers are now a thing of the pass. The Reflex 20 comes with 2 types of drivers. One for the standard PC to Reader communications, and the other, Microsoft's PC/SC standard. The Plug n Play compliance of this reader makes the installation as simple as connecting the reader,

turning the PC on and then inserting the driver diskette when automatically prompted. All that remains is for the user to invoke an application the uses the reader.

Smart Card Compatibility

Today, the reader supports all Microprocessor cards and most memory cards. The only memory cards that cannot be supported are those needing special voltages to write (i.e. 21 volts). Even then, the Reflex 20 can still read these cards.

Define Security Levels

With the Reflex 20, you can now secure your notebook computers with smart cards. With the technology available today, you can secure selected or all files on your PC, You can be sure that all you e-mails are safe or even just secure the sensitive portions.
You may also use smart cards to secure access to your PC completely. Basically, with smart cards, you can decide and then define the security level around your business. The Reflex 20, is the reader that enables you to implement the security whenever and wherever you are.

Multi OS support

To ensure that the Reflex 20 supports all the operating systems today,

the Reflex 20 supports Windows 95 and NT4 and even windows CE.

In order to be ready for the future, the Reflex 72 will support the Windows 98 and NT5 when these Operating systems are released.

Keeping Up with Changes

As technology moves forward at an incredible pace, many products become obsolete or outdated quickly. The Reflex 72 has be built to withstand these changes as best as possible without either increasing the cost sacrificing any quality.

Compatibility with smart cards is assured with the Flash memory that allows you to continually upgrade the reflex 20 with the new handlers. As the newer smart cards arrive on the market, the ability to support these cards can be added by loading the new handlers into the flash memory with the needed files. These files can be

obtained easily by contacting readers@slb.com.

With this new approach, the Reflex 20 can keep up with or even be ahead of the competition when it comes to offering services for new cards, standards and new protocols.

Experience and Knowledge

Schlumberger has been in the Smart Card business for many years. We have been putting Smart Card readers in Parking Meters, Payphone and even been designing and building smart card payment terminals. All these experiences have been grouped together to ensure that the Reflex 20 will allow you to continually provide better services to customers around the world.