



## Corporate Profile

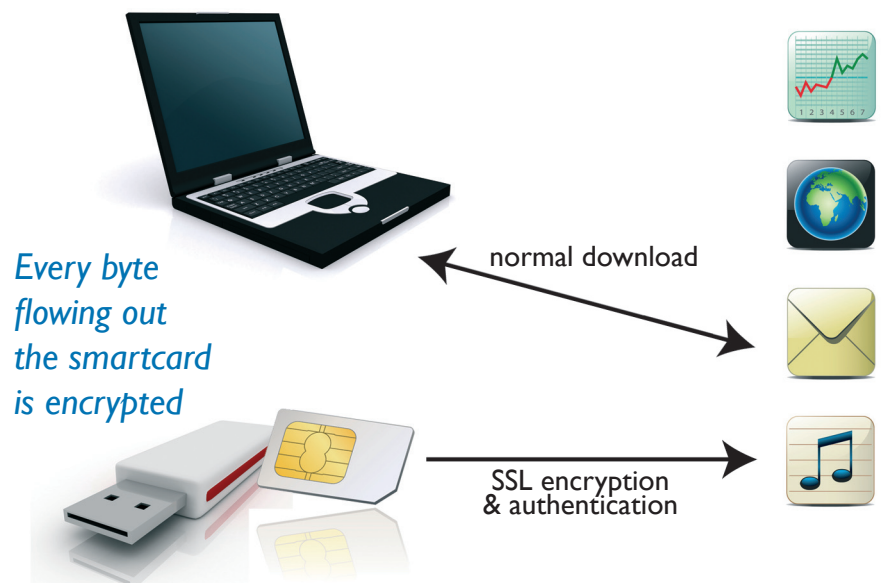
EtherTrust market software for smart cards and design innovative solutions that strengthen the security of WEB applications while, at the same time, dramatically simplifying their use.

EtherTrust software ensures secure access to any IP resource and offers secured privacy for WEB applications.

EtherTrust's customers are telcos who need to simplify the user experiences of their customers. They also include banks trying to secure their web account access and prevent phishing attacks. EtherTrust also works with SIM vendors and pure web players.

EtherTrust is a spin-off from research carried out at major research institutes (Telecom ParisTech) and French Universities (University Paris 6). They have won various awards such as the Oseo Anvar and the SecureTheWeb awards.

### Solution Overview



SSL /TLS connection  
Stores user certificates  
RSA private keys generation

## Technology

EtherTrust provides highly trustworthy and powerful solutions for WEB applications based on a variety of technologies used in smart cards design.

EtherTrust has developed advanced techniques in target EAP authentication technologies for smart cards and embedded SSL stacks.

EtherTrust provides token support to EAP-SIM and EAP-AKA for TELCOS and EAP-TLS in the corporate environment. These solutions provide secured authentication schemes for operators and corporate intranet.

EtherTrust has designed a unique WEB authentication technology, called TANDEM-TLS, working with SSL embedded in smart cards.

### What is "TANDEM" ?

- > Sets up the SSL session from the EAP-TLS smart card.
- > Checks the server certificate from the smart card.
- > Handles multiple user's certificates
- > Offers the computing of RSA private key
- > Generates session keys (encryption & keys)
- > Forwards session keys to the terminal (PCs, Mobile Phones...)

### Telcos

- > EtherTrust is remotely uploaded in Telco 3G SIM Cards
- > Customers can connect easily to all WEB Services (WebMail, VoD, Online bill, etc.)
- > Prevents Phishing

### Banks

- > Connection to online banking accounts, with EtherTrust USB dongle
- > Provides a faster & easier customer access: no password to remember
- > Is the most secure authentication method ever set
- > Phishing killer solution

### Gambling

- > Connection to online gaming sites through EtherTrust USB Dongle
- > Smart card contains ID information as well as bank account data
- > Automatic ID and age check for gamers
- > Builds customer loyalty
- > Speeds up payments

#### The phishing killer solution

- > No password means no password to steal
- > Certificates are valid only for trusted web sites

#### Spywares are totally blind

- > The computer is just a « plug »
- > Authentication & Encryption algorithms are entirely processed (executed) in the smart card

#### Hardware and OS independent

- > Windows, Mac OS, Linux, Symbian, Android...

#### Remote management of smart card software

- > Embedded information may be remotely updated
- > Even software may be remotely loaded

## Use Cases Samples

## Benefits



**ETHER  
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