



EzIdentity™ EzCert Digital Signatures – Non repudiation

PKI Digital Signature Tokens

PKI Tokens for Digital Signatures

Leveraging on One-Time Password Signature Tokens and the roaming PKI capabilities of EzIdentity™, EZMCOM offers simple and secure approach to Digital Signing. EzIdentity™ EzCert offers a broad range of Tokens – Hardware and Software for convenient one-time passwords (OTP) Transaction Signatures and strong authentication with end user transparent Digital Signing for non-repudiation.

Alternatively, a conventional approach to PKI is available where a PKCS#11 compliant PKI USB key device is held by the user and the EzCert Web plug-in applet digitally signs the data.

Key features

Standards based security

- All EZMCOM tokens support the HOTP OCRA standard algorithm for transaction signing.
- PKCS#11 PKI USB devices and Web plug-in applet for Digital Signing.

Easy to distribute, activate and manage

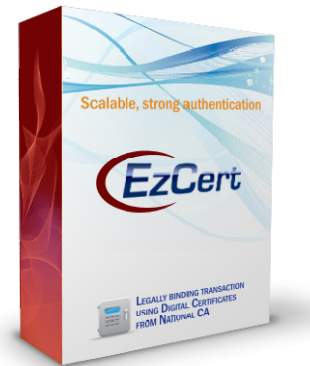
- Assign Tokens to multiple users by group affiliation or search criteria.
- Manage inventories of Token licenses.
- Assign multiple Tokens to users. Facilitate redundancy and availability.
- User self-service pages for activation and PIN reset.
- Unified administration of PKI, Hard Tokens, Soft Tokens and SMS OTP.

Revocation and Reuse

- EZMCOM Soft Token licenses can be reused when a partner or customer no longer requires access or when employees leave the organization.
- Soft tokens can be revoked and reactivated using the same simple activation process

Out of band transaction signing

- Deliver One-Time Password signatures to user mobile phone as an SMS/ Text message.
- EzIdentity™ EzCert can also deliver the OTP Transaction signatures via IVR/ USSD/ e-mail out-of-band channels.



Benefits

Dramatically lower total cost of ownership

Soft Tokens eliminate the cost of physical fulfillment and require no replacement due to damage, loss of physical tokens. EZMCOM allows Soft Token licenses to be reassigned when a user no longer requires a token. All these features dramatically lower operating costs associated with fulfillment and re-provisioning.

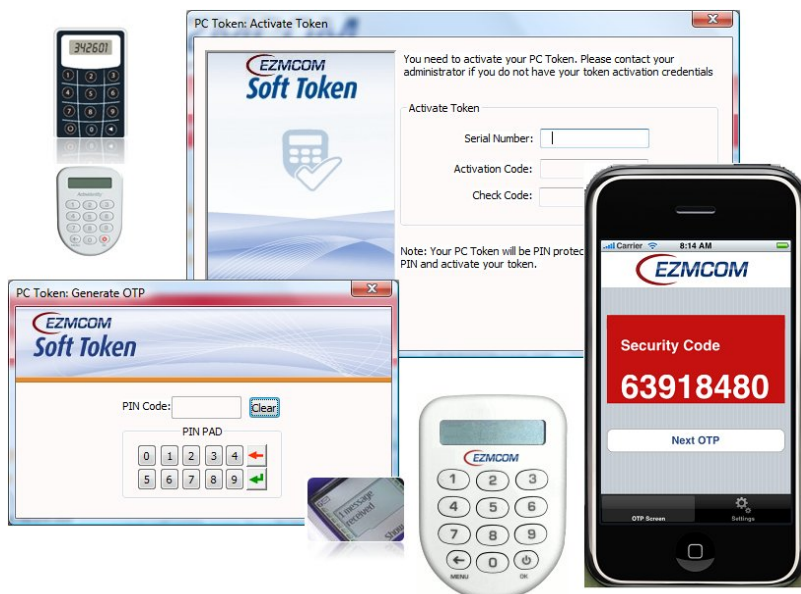
Easy to deploy and manage

EzIdentity™ Operator Portal for Soft Token management makes administration of EZMCOM Tokens simple and efficient.

User convenience

Soft Tokens provide strong authentication on a device users already have and find convenient to carry with them. Broad platform support for Browsers, Smart phones, PDAs and PCs ensures tokens can be deployed to a users preferred device.

Mobile Soft Tokens generate OTPs on the device. This means there are no latency or delivery issues in receiving the OTP (as with SMS) and no data charges are incurred by the user.





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Roaming PKI -- EzIdentity™ Software Tokens

PC Soft Token



OATH HOTP (OCRA) compliant one-time password generator supported on the following platforms:

- Microsoft® Windows® 2000 SP4
- Microsoft Windows XP Professional SP1 and SP2
- Microsoft Windows Vista (all 32-bit editions)
- Microsoft Windows Server 2003 (SP1, R2 and SP2)
- Microsoft Windows Server 2003 SP2 x64
- Microsoft Windows XP Home Edition SP2

Mobile Soft Token



OATH HOTP (OCRA) compliant one-time password generator supported on the following platforms:

- iPhone
- Blackberry (Firmware 3.6 onwards)
- J2ME MIDP 1.0 onwards (will also run on Symbian and Palm OS handsets)
- Windows Mobile 6.0, Windows Mobile 5.0 (.NET 2.0 CF Upgrade)

USB Flash drive Soft Token



OATH HOTP (OCRA) compliant one-time password generator on your USB Flash drive supported on the following platforms:

- Win XP (Pro, Home),
- Win Vista (Home, Ultimate, Pro), Win 2000 Professional,
- Win 2003 Server * Requires JRE 1.5 or above

Conventional PKI -- EzIdentity™ Partner USB key PKI Tokens



Conventional approach to PKI USB key based Digital Signing:

- Public Key Mechanisms:
 - 512-, 768-, 1024-bit and 2048-bit RSA, X509 v3 certificates
 - On board RSA key generation
 - Public Key Cryptography (PKI): PKCS#11 v2.2, PKCS#1,7,8,10 and 12 PKCS#15
 - Smart card: FIPS 140-2 level2
 - System requirements:
 - JRE 1.5+ and above. IE6+, Firefox 2.0+, Safari 3.0+, Opera 9+
- Installation pre-requisite:
EzIdentity™ Platform 2.0, EzIdentity™ PKI Web plug-in applet (JRE 1.5 and above)

To find out more about soft tokens or other EZMCOM products, visit our website:
www.ezmcom.com

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