



DATA SHEET



VeriSign® WiMAX Public Key Infrastructure Service for Service Providers

WiMAX is a collection of integrated wireless broadband technologies and products built around the harmonized IEEE 802.16e/ETSI HiperMAN standard. Ensuring secure communication over WiMAX-based networks is a critical success factor for the growth of the WiMAX ecosystem. Seamless security that is transparent to the end user is also crucial for widespread adoption. Security solutions based on Public Key Infrastructure, or PKI, are particularly well-suited in addressing these business needs.

PKI platforms are based on a trusted Certification Authority (CA) that issues, renews, revokes, and manages digital certificates used for valid identification. PKI delivers strong authentication—also known as “two-factor authentication”—to ensure that valid devices are properly authenticated for access to a service. Strong authentication provides an additional layer of protection beyond traditional access methods, such as the relatively vulnerable username/password. Solutions using PKI digital certificates are also relatively transparent as they can be embedded on devices and do not require interaction from the end user to authenticate identity.

+ VeriSign WiMAX PKI Service

VeriSign WiMAX Public Key Infrastructure (PKI) Service for service providers is a hosted solution that is managed by VeriSign and enables secure communication over WiMAX-based wireless networks.

The Sole Provider of WiMAX Server PKI for Service Providers

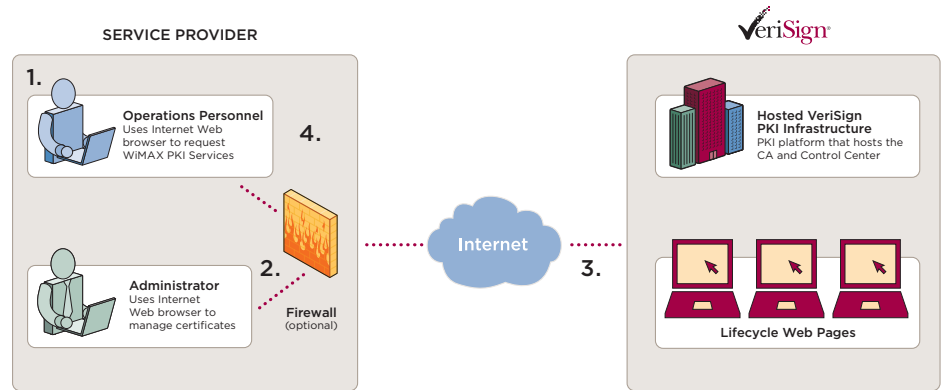
Formed in 2001, the WiMAX Forum is a non-profit organization whose goal is to accelerate the introduction of WiMAX-based systems into the marketplace by promoting conformity and interoperability with the WiMAX standard. The WiMAX Forum has selected VeriSign as the sole provider for its Server PKI for service providers. VeriSign was chosen because of its military-grade PKI platform that has been in service since 1995, and is currently used by thousands of enterprise and government customers to secure their environments. By leveraging VeriSign’s expertise and extensive PKI infrastructure, service providers benefit from VeriSign’s significant investments and PKI knowledge while retaining complete control over digital certificate lifecycle management, including issuance, renewal, and revocation.



CERTIFICATE ISSUANCE PROCESS

1. A Certificate Signing Request (CSR) is entered by authorized operations personnel.
2. The administrator approves the request.
3. A digital certificate is issued and a notification is e-mailed back to the requestor.
4. The requestor logs into a VeriSign-hosted portal to securely acquire the digital certificate.

Figure 1: WiMAX PKI Service is Fully-Hosted by VeriSign



All PKI functions are hosted and managed by VeriSign, enabling the service provider to focus on its core business.

A Proven PKI Platform for Service Providers

Over 80 million devices worldwide depend on VeriSign’s PKI-based digital device certificates to secure access to services, making VeriSign the leader in powering trust in communities such as the WiMAX ecosystem.

VeriSign WiMAX PKI Service delivers:

- **Scalability** – VeriSign WiMAX PKI Service is capable of supporting millions of end user PKI-based WiMAX digital certificates on a global scale.
- **Reliability** – VeriSign WiMAX PKI Service is derived from VeriSign’s PKI infrastructure that has been delivering hosted and managed security to thousands of commercial and government customers since it went into operation in 1995. Its architecture is a combination of highly integrated hardware, software, and processes that are protected in a secure data facility.

+ Features & Benefits

Hosted Certification Authority (CA)	VeriSign hosts and operates a Certification Authority that enables enterprises to achieve lower total cost of ownership than stand-alone in-house PKI implementations, and has the following functionality: <ul style="list-style-type: none">• Generation of Certificate Authority key pairs.• Activation and deactivation of Certificate Authority certificates.• Maintenance of Certificate Revocation Lists (CRLs).• Supports validation of status using Online Certificate Status Protocol (OCSP) standards.
Mission-Critical Reliability	Employs the same PKI technology that is used throughout its military-grade public key infrastructure and Network Operations Centers. <ul style="list-style-type: none">• Supports 24x7x365 monitoring, management, and escalation across the globe with full disaster recovery.• Certified annually by KPMG as part of a SAS-70 security audit. A regular WebTrust audit of VeriSign's PKI infrastructure is also conducted.
Scalable	Architected to support the highest volume and peak load requirements in the industry. <ul style="list-style-type: none">• Overall system architecture is designed to support the issuance and management of over 100 million certificates per year.• VeriSign's diagnostic procedures, security practices, operational policies, and infrastructure have been tested and proven over time and designed with scalability in mind.
Future-Ready	VeriSign has a strong commitment to open standards, innovative technology, and strategic collaborations to enable the flexibility needed to evolve with the changing technology landscape. <ul style="list-style-type: none">• Supports standard certificate types, including: S/MIME, SSL, and IPSec, as well as PKI industry standards such as X.509 v3, LDAP, and PKCS #7, PKCS #10, and PKCS #12.• VeriSign's open approach to security enables organizations to operate freely in diverse environments, and maximize return on, and preservation of, existing investments.
World-Class Service	VeriSign provides binding service-level agreements that include high-security facilities with: <ul style="list-style-type: none">• Highly trained, trusted personnel• Redundant systems• 24x7x365 customer support• Disaster recovery• Full audit and archiving
Leverages Proven PKI Platform	VeriSign operates the largest and most comprehensive PKI solutions available on the market today, and has been doing so since 1995.

+ Learn More

For more information about VeriSign WiMAX PKI Service, please call 650-426-5310, or visit: www.verisign.com/authentication

Visit us at www.Verisign.com for more information.