Tsunami® Security Feature Set

Proxim Tsunami® products with advanced WORP® technologies offer a variety of features to ensure unparalleled security.

I. Hardware Security

Proxim Tsunami enclosure is made of aluminum which ensures a robust secure platform against vandalism.

Moreover Proxim Tsunami devices are IP67 rated and operate from -40° up to 140° Fahrenheit offering unmatched protection against environmental aggression.

II. Management Security

By default, Proxim Tsunami remote management methods use standard password-protected web, telnet and SNMP protocols. However it is very easy to secure remote management by simply switching to encrypted communication based on SSL/TLS1.2 (https web), SSH (telnet) and SNMP v3 for remote management and access.

Two levels of login provide privilege based access to the device:
- Administrator: full access
- Monitor: view only access

Proxim Tsunami latest firmware also ensures the device configuration profile is encrypted upon generation. Thus configuration profiles can be propagated across the network without the risk of being intercepted.

III. Over the air Security

Proxim WORP protocol is not publicized or standardized, making it far less vulnerable to hackers than any standards based security method. To decode a WORP signal, a WORP enabled device must be used as the decoding system.

Proxim WORP requires the Subscriber unit (SU) to register with the Base Station unit (BSU) performing a mutual authentication with identification using an MD-5 secret string (6 to 32 Characters).

Both the BSU and SU know their peer belongs to the network, avoiding both rogue Subscriber units and rogue Base Station units onto the network.

Proxim WORP also provides Access Control (Subscriber authentication) which occurs locally (MAC address based list) or via a RADIUS server.

The maximum number of authorized Subscriber units supported by the Base station unit is configurable. Once all predefined SUs are registered, the BSU will stop announcing itself and will not accept any unwanted Subscriber registration requests.

Proxim Tsunami devices implement 128-bit AES (Advanced Encryption Standard) encryption with CCM (Counter with CBC-MAC) authentication on all data sent over the air via the wireless link. This ensures no tampering with over the air packets which cannot be intercepted or modified.

If even more robust data encryption is needed, Tsunami 10100S ultra secure series implements both 128 and 256-bit AES encryption.