

SyMAX™ Mobile Network Manager

WiMAX Mobile Station Network Access and Authentication

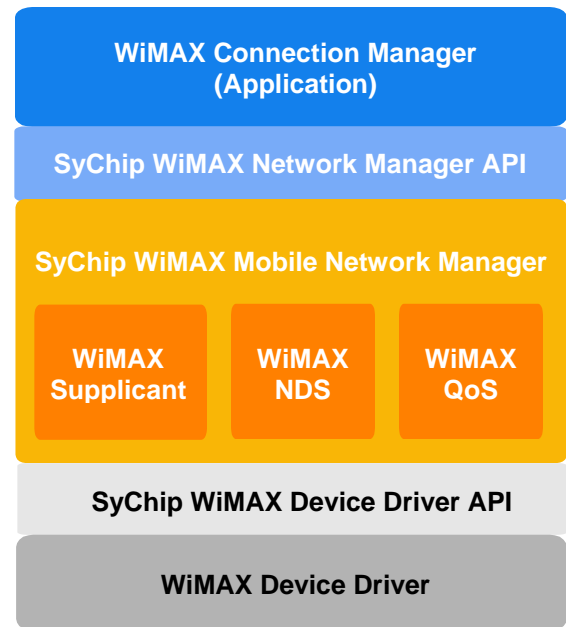
Overview

SyMAX™ Mobile Network Manager is the latest addition to SyChip's comprehensive system solution for mobile WiMAX devices. It provides well defined software APIs to the WiMAX device driver and user application, and can be readily adapted to any existing WiMAX devices and host platforms. It consists of three modules to support network discovery, authentication, and QoS provisioning.

- **WiMAX Supplicant:** Fully integrated and optimized EAP supplicant based on OPENSSL and Xsupplicant. It supports the EAP-based authentication schemes defined by the WiMAX Forum NWG and the IEEE 802.16g air interface.
- **WiMAX NDS (Network Discovery and Selection):** Compliant with the WiMAX Forum NWG requirements, NDS uses the operator's provisioning information to select and reselect, at any given time, a suitable Base Station (BS) of a Network Access Provider (NAP) that serves the appropriate Network Service Provider (NSP).
- **WiMAX QoS Provisioning:** SyChip proprietary mechanism to request the most suitable WiMAX data services to satisfy the application provided generic QoS constraints.

Supported Platform and OS

SyMAX™ Mobile Network Manager is a platform and OS-independent library. It may be ported to support any host platform and multi-tasking operating system.



SyMAX™ Mobile Network Manager Overview

Time to Market

SyMAX™ Mobile Network Manager reduces production risks and minimizes time to market for developing new mobile WiMAX handsets.

Specifications

- Standard Conformance: IEEE 802.16g
- WiMAX Forum Network Architecture 1.2
- EAP (Extensible Authentication Protocol)

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