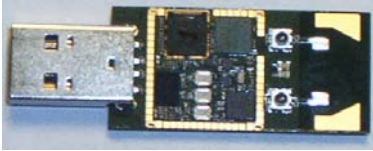


### Description



- 20 x 40 x 6 mm
- 1x2 MIMO
- Host interface: USB
- Built-in Onboard Antenna
- OS Supported: Window CE 6, Windows Mobile 6.1, Linux 2.6

The WM9503 USB dongle is the first USB dongle product in the SyMAX™ family.

It integrates Baseband/MAC IC, Radio Frequency (RF) transceiver, Power Amplifier (PA), EEPROM, DDR-SDRAM, Power Management Unit (PMU) and antenna in a single small size printed circuit board (PCB).

Along with the module, SyChip provides the drivers, supplicant, application APIs, as well as network manager and connection manager applications that allow original equipment manufacturers (OEM) the flexibility to integrate and optimize their respective applications (VoIP, Video/Audio streaming).

This module is targeted to consumer electronics (Handsets, Ultra Mobile Personal Computers, Personal Media Players, Portable Gaming Console and navigational devices) where high integration and fast design cycles are highly valued. A miniUSB version will be supported soon.

The dongle module integrates the latest silicon technology for mobile client WiMAX offering the best feature set while minimizing space and power consumption.

### Features

- Standards Conformance: IEEE 802.16e
- Size: 20 x 40 x 6 mm
- Frequency Range: 2.5 - 2.7GHz
- Channel Band Width: 10MHz, 8.75MHz, 7Mhz and 5MHz
- RF Power: +23dBm (Power Class 2)
- Transceiver: 1x2 MIMO
- Receiver Sensitivity: -82.8dBm @16QAM-1/2-CTC
- Power Consumption: TX 496mA; RX 174mA
- Host interface: USB
- Internal Memory: 16MB Mobile SDRAM, EEPROM (4KB)
- Internal reference clocks: 40MHz (TCXO Oscillator)
- Internal sleep clock
- Antenna: on board chip antenna
- ROHS compliant
- OS Supported: Window CE 6, Windows Mobile 6.1, Linux 2.6

### Benefits

- Small size and low power consumption
- Fast hardware design cycle to fit demanding schedules
- Minimized software adaptation effort