

## Personal Broadband

Analysts forecast that the personal broadband market will outgrow fixed broadband in the near future. Supporting this trend, Green Packet's US series offers users true mobile wireless broadband with the freedom to surf the Internet anytime, anywhere by simply plugging this device into a USB port. This device is compliant with 802.16e Mobile WiMAX Wave 2 standard that delivers broadband throughput equivalent to that of fixed xDSL and cable modem.

## Distinctive Design

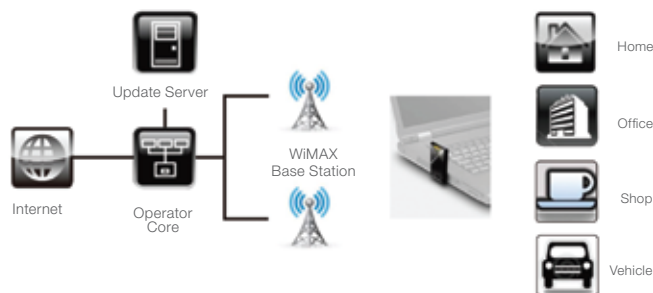
The core feature of the US series is its advanced silicon chip that consumes low power even while delivering maximum throughput or in idle mode. Its highly efficient built-in MIMO antenna features 3.5dBi antenna gain, ensuring optimum connection quality both indoors and outdoors. What's more, its fashionable exterior design further enhances the mobility experience.

## Plug and Play

This device is designed to self-install when plugged in for the first time. Users can start to enjoy WiMAX without having to enter any account information as their profiles will be automatically loaded from the mobile WiMAX USB Modem. This creates a user-friendly environment and minimizes technical support.

## Intelligent Connection

The US series incorporates a lifestyle-based intelligent connection manager that facilitates seamless mobility between access networks based on preset or default settings. Additionally, Operators can offer a single sign-on and authentication to a host of value-added services all via one modern user-friendly interface.



Enjoy WiMAX connectivity anytime,  
anywhere with the US Series WiMAX USB modem

## Key Features

- IEEE 802.16e Standard Compliant (Mobile WiMAX)
- WiMAX Wave 2 Compliant
- TDD SOFDMA
- 5, 8.75, 10MHz Channel Bandwidth
- MIMO Matrix A and B
- Up to 23dBm Transmission Power
- 3.5dBi Antenna Gain
- Up to 20Mbps Throughput\*
- 5 Classes of QoS Support
- Auto Provisioning
- OMA-DM Device Management
- Intelligent Connection Manager with Seamless Mobility
- Internet Acceleration

\* Subject to environmental conditions





# Technical Specification

Wireless Specifications	
<b>Standard Compliance</b>	IEEE 802.16e-2005
<b>Modulation</b>	<ul style="list-style-type: none"> <li>Scalable OFDMA</li> <li>QPSK, 16QAM, 64QAM (DL only)</li> </ul>
<b>Duplexing Mode</b>	TDD
<b>Data Rate</b>	<ul style="list-style-type: none"> <li>Up to 20Mbps (DL)</li> <li>Up to 30Mbps Wave 2 MIMO B (DL)</li> <li>Up to 7Mbps (UL)</li> </ul>
<b>Supported Frequency</b>	2.3GHz - 2.4GHz (US230)
<b>Channel Bandwidth</b>	5MHz, 8.75MHz, 10MHz
<b>RF Output Power</b>	Max. 23dBm, 200mW
<b>MIMO</b>	<ul style="list-style-type: none"> <li>1 x Transmitter, 2 x Receiver</li> <li>MIMO A (STC)-DL only</li> <li>MIMO B (SM)-UL collaborative MIMO</li> </ul>
<b>Receive Sensitivity (with 10MHz bandwidth)</b>	<ul style="list-style-type: none"> <li>-95dBm @ QPSK 1/2</li> <li>-93dBm @ QPSK 3/4</li> <li>-90dBm @ 16QAM 1/2</li> <li>-87dBm @ 16QAM 3/4</li> <li>-78dBm @ 64QAM</li> </ul>

Interface Specifications	
<b>Antenna</b>	3.5dBi dipole and 0dBi printed
<b>LED</b>	Dual Color LED x 1
<b>Interface</b>	USB 2.0 with 16MB internal flash memory

Environmental Specifications	
<b>Dimension (H x W x D)</b>	67mm x 38mm x 13mm
<b>Weight</b>	50g
<b>MTBF</b>	200,000 hours
<b>Power Supply</b>	5V through USB Interface
<b>Power Consumption</b>	< 2W at peak performance, < 10mW idle mode
<b>Temperature</b>	<ul style="list-style-type: none"> <li>0°C - 50°C (Operating)</li> <li>-20°C - 70°C (Storing)</li> </ul>
<b>Humidity</b>	Up to 95% Non-condensing

\* Product specifications are subject to change without prior notice.

For more information on Greenpacket's products and solutions, please contact us at [marketing.gp@greenpacket.com](mailto:marketing.gp@greenpacket.com)

Management Specifications	
<b>Authentication</b>	<ul style="list-style-type: none"> <li>EAP-TLS, EAP-TTLS</li> <li>PKMv1/v2, X.509</li> </ul>
<b>Encryption</b>	AES, DES, 3DES
<b>WiMAX QoS</b>	UGS, rt-VR, ert-VR, nrt-VR, BE
<b>Configurables</b>	Channel Scan, BS Profiles
<b>Diagnostics Performance Monitor</b>	Radio Statistics including DL RSSI, CINR, Tx Power RSSI, throughput monitored by Connection Manager for authentication
<b>Device Management</b>	OMA-DM
<b>WCM Update</b>	Green Packet Update Server
<b>User Profile</b>	Stored in built-in flash memory for retrieval by Connection Manager
<b>Installation</b>	Automatic installation of driver and Connection Manager from built-in flash memory
<b>Connection Manager</b>	<ul style="list-style-type: none"> <li>Supports Windows XP, Vista32, Linux and Mac OS</li> <li>Automatic switching between heterogeneous networks</li> <li>Internet acceleration mechanism for faster Internet access</li> </ul>
<b>Certification</b>	CE

## Package Contents

- 1 x WiMAX USB Modem
- Quick Installation Guide



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