ODU – 230S/ 250S/ 350S
802.16e Wave2 Outdoor CPE

Wireless Broadband
Total Solutions Provider

Rather than a new technology to replace wires, WIRELESS refers to a new lifestyle - a smarter way for a better world. People can be free from the tangle of wires and enjoy the utmost mobility. Gemtek helps to realize this vision. We provide people a simple, intuitive and "no-programming" approach to enjoy the power of wireless communication.

Gemtek is the world-leading provider of Wireless Broadband solutions, offering a wide range of solutions from residential to business. On the strength of technological excellence, Gemtek has earned the reputation for delivering high-performing and solidly reliable wireless solutions. It's Gemtek's vision to create a communication world without physical boundaries. Individuals can access the information anywhere. Gemtek is in the business of helping the world to realize the enormous potential of a wireless broadband world.

Why WiMAX

WiMAX is an acronym that stands for Worldwide Interoperability for Microwave Access, a certification mark for products that pass conformity and interoperability tests for the IEEE 802.16e standards. WiMAX is a standards-based wireless technology that provides high-throughput broadband connections over long distances and mobile environment. WiMAX can be used for a number of applications, including "last mile" broadband connections, mobile broadband wireless service and high-speed backhaul, enterprise connectivity.

Why Gemtek

Gemtek is a dedicated and experienced wireless professional solution provider since last 20 years. As a principle member in WiMAX Forum, Gemtek started developing WiMAX product since 2004, and have the commercial product from January 2006. Gemtek provide one-stop shopping service, professional system integration and best-in-class ODM /OEM manufacturing to the customers.
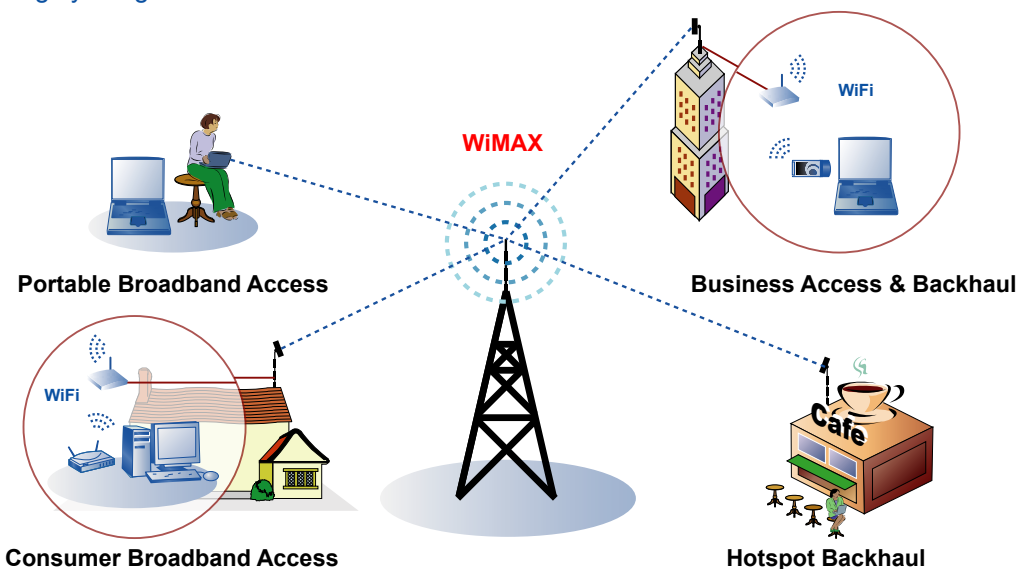
Performance

ODU-Series outdoor modem feature dual polarization antenna to provide MIMO technology, both Matrix-A and Matrix-B. Combine with powerful RF circuit design, highly Integrated SW and robust outdoor environmental enclosure, the ODU-Series outdoor modem serves best- in-class outdoor coverage and throughput.

Benefit

Fully 16e wave2 Feature support   Robust Environmental Design
Best-in-class Radio Performance   Multiple QoS Support
Highly integrated SW features

WiMAX

Portable Broadband Access

Business Access & Backhaul

WiFi

Consumer Broadband Access

Hotspot Backhaul

Gemtek
Wireless Broadband Anywhere

**Gemtek
A leader in wireless
broadband solutions
and your best partner**

Gemtek provides industry-leading wireless broadband solutions. We are headquartered at Hsinchu Industrial Park, Taiwan with operation branches in the U.S.A. and Europe. We distribute the products via global distributors and other partners.

In over a decade of business, Gemtek remains at the forefront of this latest wireless communication revolution, providing innovative and best WLAN solutions to our partners. Based on our core competency in RF/Microwave and manufacturing excellence, Gemtek is now the world-leading WLAN solution provider and growing into one of the largest Wireless Communication Solution providers in Taiwan.

Gemtek's quality assurance process has been certified ISO-14001/ISO-9001, together with OHSAS 18001 to form one effective integrated management system. Our primary responsibility is to continually offer high quality and functionality as well as customer oriented solutions. If your company is looking for an ODM solutions provider, look no further - You've found the right partner.

802.16e Wave2 Outdoor CPE
General Specifications

Product Name 802.16e Wave2 Outdoor CPE	**Channel BW** 5M / 7M/ 10M
Model Name ODU – 230S/ 250S/ 350S	**Quality of Service** BE (Best Effort)
Radio Performance Output power - Typical 27dBm Sensitivity - 3dB better than MRCT Dual Polarization - 3.xGHz 14dBi Antenna - 2.xGHz 12dBi Antenna	UGS (Unsolicited Grant Service) RTPS (Real Time Polling Service) NRTPS (Non Real Time Polling Service) ERTPS (Extended Real Time Polling Service)
Frequency Bands 2.3~2.4 GHz 2.5~2.7 GHz 3.3~3.6 GHz	**Security** Authentication methods base on IEEE 802.16e, PKMv2, EAP-TLS and EAP-TTLS Support X.509
Modulation QPSK / 16QAM / 64QAM(DL Only)	**Management** Web
MIMO Downlink – Matrix A / B Uplink – Collaborate MIMO	Telnet / CLI TR-069 / OMA-DM
Connectivity 1 Ethernet Port (Power Over Ethernet)	**Environmental and Regulatory** Operating Temp – -40 ~ 70°C US FCC Regulatory
Certification IEEE 802.16e Wave2 Standard Compliant 802.3af	EU Regulatory Different Country Regulatory by Customer's Requirement

Gemtek
Wireless Broadband Anywhere