

# ATRÍE GoSpan Series Wimax Outdoor CPE

## ▶ GoSpan-618 ◀

### Overviews

WiMAX GoSPAN-618 Series Outdoor CPE offers high-performance wireless link. It is an all in one WiMAX pure outdoor modem that supports 2.3GHz, 2.5GHz, and 3.5GHz frequency band. Outdoor CPE is easy for installation in the field for fixed wireless application.

GoSPAN-618 outdoor CPE is compliant with WiMAX 802.16-2005 standard. GoSPAN-618 Series Outdoor CPE can be used as alternative backhaul solution for Wi-Fi hot spot, replacement of DSL and cable modem, surveillance and other applications. WiMAX GoSPAN-618 Outdoor CPE supports MIMO (Matrix A and Matrix B) that enhance the coverage and throughput. WiMAX GoSPAN-618 Outdoor CPE with built-in high-gain antenna extends BS cell size up to 7Km. WiMAX Outdoor CPE can be used for the internet access, voice or video streaming, or other multi-media purposes applications. With NAT and DHCP client features, GoSPAN-618 outdoor CPE is cost-effective device to the operators in network planning and field deployment.

For those un-served or under served regions that lack of communication infrastructure, WiMAX outdoor CPE is idea device to SME and SOHO user in a Macro WiMAX network.

### Features

- Compliant with IEEE802.16-2005 Wave 2 Standard
- For Line Of Sight and Non-Line Of Sight
- Support 2.3GHz,2.5GHz, and 3.5GHz RF Bands
- Support Matrix A and B MIMO
- MRC support for Receiving Sensitivity
- Embedded High-Gain Patch Antenna
- Light weight & Built-in Surge Protection
- LED Status Indicator Design for Easy Installation
- DHCP Server / Client, NAT and QoS Support



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## Specifications

### Physical Standard

- General Standard Ethernet Standard- IEEE802.3 / IEEE802.3u  
Wireless Standard - IEEE802.16e-2005  
Ethernet Interface - 10 /100 Base-T

### Firmware Feature

- Network DHCP Client for WAN  
DHCP Server for LAN  
NAT /NTP /DNS Pass Through  
Base station Scanning  
IPv4 & IPv6 Pass Through
- Management TR-069 Network Management  
Account Permission Control List  
HTTP /HTTPS Mngement  
Web Firmware Upgrade  
Telnet Management
- QoS Scheduling UGS; RT-VR; NRT-VR;  
BE; ERT-VR
- VPN Pass Through IPSec, PPTP, and L2TP Support
- Security /Encryption PKMv2 with 128bit AES /CCM
- Authentication EAP /TTLS w/ MSCHAPv2  
Authentication
- Firewall Packet filtering on IP port

### WiMAX Specification

- Radio Frequency 2300MHz~2400MHz (Option)  
2500MHz~2690MHz  
3300MHz~3800MHz (Option)
- Air Interface Scalable OFDMA
- Duplex Mode TDD /5ms Frame; Cyclic Prefix: 1/8
- Modulation - DL & UL QPSK, 16QAM, 64QAM
- Channel Bandwidth 5, 10 MHz  
3.5, 4.75, 7, and 8.75MHz (Option)
- Receiver Sensitivity CTC-QPSK-1/2 @5MHz /BW  
( -93 dBm)  
CTC-QPSK-1/2 @10MHz /BW  
(-90 dBm)
- RF TX& RX Configuration 1T2R

### Environmental

- Waterproof & Anti-Dust IP67 Compliance
- Operating Temperature - 40°C ~ + 60°C
- Storage Temperature - 40°C ~ + 85°C
- Humidity Range 5 to 85% /Non-condensing
- Lightning Protection Instant Surge 4 KV

### Hardware Specification

- Dimension (L xW xH) 230\*200\*70 mm
- CPE Weight /without Accessories <2Kg
- Power Requirements 90~264VAC / 47~63 MHz
- Power Consumption -48VDC; Countinue Tx<15W
- Output Power @Antenna Port 25dBm
- Antenna /Internal Patch Antenna 13 dBi
- Radio FCC Part27 Subpart M  
EN302 544-2  
FCC Part15 Subpart B  
EN301 489-1;EN301 489-3  
EN60950-1
- EMC
- Safety /Environmental



802.16e-2005 WiMAX Broadband Wireless



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