



## WiMAX Exterior Access Point

### EXCEPTIONAL BROADBAND

Provide a wireless connection to the Internet anywhere with WiMAX 802.16e

### COMPLETE SECURITY

Active Firewall, 802.16e Authentication, and Cipher for BWA assure the safest connection possible

### EXTREME PERFORMANCE

Internal high-gain antenna provides a reliable signal in a variety of outdoor environments



### VERSATILE OUTDOOR SOLUTION

The DIR-465 WiMAX Exterior Access Point is designed to handle a wide variety of outdoor environments. Encased in a die-cast watertight housing and equipped with a built-in heater and temperature sensor, the DIR-465 permits convenient outdoor mounting. Power over Ethernet (PoE) support allows the access point to be placed in exterior locations where power outlets are not easily accessible.

### BROADBAND WIRELESS ACCESS

Based on IEEE 802.16e – 2005 standard, the D-Link WiMAX Exterior Access Point is driven by an OFDMA-based radio interface. This interface is the latest in wireless technology; an innovation that increases bandwidth for Broadband Wireless Access (BWA). The use of MIMO (multiple input multiple output) also boosts system capacity, coverage, and throughput rates.

### SECURITY PROTECTION

Complete 802.16e security features provide protection when connecting to the Internet. The security feature set includes: EAP Authentication, Data Encryption with AES-CCM, and X.509 Certification for BWA. The DIR-465 also includes a built-in firewall to prevent hackers and unwanted intruders from accessing the wireless network.

### WHAT THIS PRODUCT DOES

The DIR-465 connects to existing network infrastructure to provide a WiMAX wireless signal for compatible devices in the immediate area. The Access point can be mounted under a roof, on the side of a building, or in any secure exterior location.

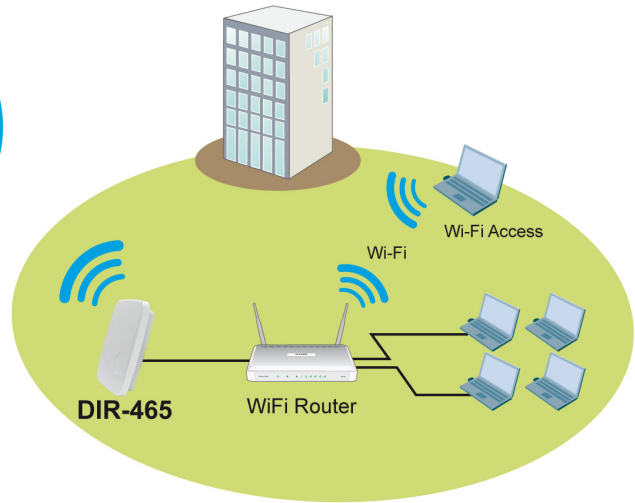
### DIR-465 - BOTTOM



PoE Ethernet Port



WiMAX BS



## TECHNICAL SPECIFICATIONS

### STANDARDS

- + IEEE 802.16e-2005
- + IEEE 802.3
- + IEEE 802.3u

### CHANNEL BANDWIDTH

- + 5/7/10 MHz

### FREQUENCY BAND\*

- + 2.5GHz(2.496G~2.69GHz)
- + 3.5GHz(3.4G~3.6GHz)

### DUPLEXING MODE

- + TDD

### MODULATION TECHNOLOGY

- + UL: QPSK, 16QAM
- + DL: QPSK, 16QAM, 64QAM

### WIRELESS TRANSMIT POWER

- + 23dBm +/- 2dBm (2 Transmitter)

### ANTENNA

- + Embedded 12dBi Panel Antenna

### DEVICE MANAGEMENT

- + Internet Explorer v6 or later

### SECURITY & AUTHENTICATION

- + EAP-TLS, EAP-TTLS
- + PKMv2.
- + X.509 certificate

### DIAGNOSTIC LED

- + Power
- + WiMAX RSSI Indicator
- + LAN

### POWER INPUT

- + 48VDC by PoE

### DIMENSIONS

- + 252 x 200 x 45 mm

### WEIGHT

- + 1.55 kg (3.42 lb)

### ENVIRONMENTS\*\*

- + Waterproof/Dustproof IP65

### CERTIFICATION

- + CE
- + FCC

### OPERATING TEMPERATURE

- + -20° to 50° C (-4° to 122° F)

### OPERATING HUMIDITY

- + 90% maximum

\* Please specify required frequency band when ordering.

\*\* IP65 standard means the device is protected from dust and low pressure jets of water from all directions - limited ingress permitted. It is recommended to install this device under a roof.



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