



IPWireless Outdoor Directional UE

Designed for fixed wireless access applications, the IPWireless outdoor directional UE is ideal for low density deployments where extended coverage is desirable.



APPLICATIONS

The IPWireless outdoor UE connects to the Ethernet port of a laptop or desktop computer for a single user configuration. A Windows™ based connection manager provides a graphical user interface for connection management, software upgrade and troubleshooting. The IPWireless outdoor UE can also be used in conjunction with a PPPoE enabled residential router to provide Internet access over Wi-Fi around the home.

FEATURES AND BENEFITS

The IPWireless outdoor directional User Equipment (UE) consists of a TD-CDMA modem and integrated antennas in an IP67 rated rugged outdoor enclosure designed for fixed wireless access application. The outdoor directional UE is ideal for low density deployments where extended coverage is desirable. Passive Power over Ethernet is supported where the outdoor UE can be located away from the power injector and PC, facilitating the mounting of the outdoor UE on an external wall, pole or roof top for maximum coverage.

Multi chip rate support automatically configures the outdoor UE to match the operator's network setting. The IPWireless outdoor UE delivers the highest 3G broadband data rates compared to competing broadband data technologies. The built-in Quality of Service support the use of dedicated channels for VoIP packets and prioritization of data packets based on traffic types.

Embedded software is held in FLASH memory for ease of upgrade. The outdoor UE can be upgraded by software download via the PC or network push upgrade over-the-air.

OUTDOOR DIRECTIONAL UE SPECIFICATIONS

Operating Frequency (Select on order)	2.5GHz variant 2496-2690 MHz TDD 700MHz Variant 698-716 MHz TX/ 728 - 746 MHz RX FDD 776-798 MHz TX/ 746 - 768 MHz RX FDD
Duplex mode	Time Division Duplex (TDD) Frequency Division Duplex (FDD)
Chip rate / channel bandwidth	3.84 Mcps / 5 MHz 7.68 Mcps / 10 MHz
Transmit power	+24 dBm +1/-3 dB (3GPP Class 2 UE)
Data rate (8 DL and 4 UL time slots)	Up to 7 Mbps downlink / 3.4 Mbps uplink in 5 MHz in E-R7 mode Up to 15 Mbps downlink / 7.8 Mbps uplink in 10 MHz in E-R7 mode
Receiver sensitivity	< -110 dBm at 17.05 kbps per SF16 code 7.68 Mcps in AWGN < -113 dBm at 7.85 kbps per SF16 code 3.84 Mcps in AWGN
Power requirements	Passive Power over Ethernet
Power consumption	4 Watts
Dimension	250 x 260 x 78 mm
Weight	2 kg
Boresight antenna gain	Integrated directional antennas (dual polarization) 11 dBi at 2.5 GHz 6 dBi at 700 MHz
Antenna 3dB beamwidth	30 degrees at 2.5 GHz 65 degrees at 700 MHz
Mounting	Wall or pole mount
Host interface	10/100 BaseT Ethernet
Software drivers	Windows XP, Windows Vista, Linux (Kernel 2.6.22-14)
Operating temperature	-40 to +55 °C (-40 to +131 °F)
Storage temperature	-40 to +65 °C (-40 to +149 °F)
Humidity	0 to 100% condensing
Water/dust proofing	IP67
Standards and Regulatory Approvals	Radio: FCC Part 27 Safety: UL 60950-1, CSA22.2 No. 60950-1, EN 60950 RoHS Directive 2002/95/EC

MODEL NUMBERS

OUE-0700-06-XP	700 MHz outdoor UE with cross-polarization directional antennas
OUE-2500-06-XP	2.5 GHz outdoor UE with cross-polarization directional antennas



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ORDERING INFORMATION

To place an order, please contact IPWireless regional sales.

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ABOUT IPWIRELESS

IPWireless is a pioneer in developing and designing 3G and 4G wireless broadband and broadcast solutions, including chipsets, devices and complete network infrastructure solutions, based on 3GPP, the world's preeminent mobile standard. The company's high performance mobile broadband and integrated mobile broadcast (IMB) solutions enable mobile operators, consumer electronics companies, as well as government, public safety and military agencies to deliver a new generation of wireless services and develop compelling new applications using untapped global spectrum bands. The company's mobile broadband and IMB solutions have been deployed by some of the world's largest mobile operators, and government agencies including T-Mobile, Orange, New York City's Department of Information Technology and Telecommunications (DoITT) and more. In Q2 2010, IPWireless and Sony announced an initiative to jointly develop 4G and Beyond Wireless Technologies.

IPWireless is headquartered in San Francisco, California, and operates a technology development center in Chippenham, UK. For more information, visit the company's Web site at

www.ipwireless.com.