



Wireless Internet Broadcasting Kits – Broadcast internet to your customers up to 6 miles with bi-directional data speeds up to 3mb!! That is twice the speed of a T1 line!! Start making money now broadcasting internet, data sharing, fax sharing, printer sharing, multi-user gaming, high quality voice and video right over your own wireless network. New technology allows spread spectrum 2.4 gigahertz FCC license-free radios to broadcast with 100% data accuracy. Internal data security coding within the units allows you to set and control access and security. A standard RJ-45 connector allows a direct connection into any computer ethernet adapter or HUB. The units broadcast standard ethernet making it compatible with any computer platform and operating system. Great for companies needing to share data and internet, small local ISP's, schools with their student halls or just to setup your own personal neighborhood data network. Multiple Antenna array's can be added to increase maximum number users, increase bandwidth to user ratio, stagger radio frequency for separate private and public networks, or ensuring your investment retains it's value by easily installing newer and faster wireless broadband equipment in the future. Includes everything you need to start broadcasting and 5 user connection kits to get you started.

Model WL2430

Price: US\$ 26,990.

Easy to install and maintain

Flash ROM in hardware for future upgrades and enhancements

License Free 2.4 GHz

Connects to any standard 10 or 10/100 ethernet connector

"Plug and Play" Cross platform connection – No software drivers needed

Broadcast up to 6 miles in all directions (line of sight required for maximum range)

High Speed Wireless Broadband Ethernet 802.11b compliant

3MB Upload

3MB Download

Maximum simultaneous users per array: 300

(multiple arrays may be stacked onto a single tower)

Includes:

Worldlink Wireless Broadband Broadcast Primary Antenna Array

SMTP management software

10' Flat Roof Base (includes roof contact padding to insulate and protect roof from damage)

40' Aluminum Pole

Manual Raise / Lower Kit

Power / Data wiring harness

APC 500 watt uninterruptible power supply

4 port Ethernet inline surge adapter

5 user connection kits (Wireless Broadband Modem, Antenna, mounting kit, 20' low loss cable)

1 year warranty

Options:

60' Aluminum Pole and wiring harness

add \$2,500.

80' Aluminum Pole, wiring harness, and 20' base

add \$8,500.

100' Aluminum Pole, wiring harness, and 20' base

add \$11,490.

Secondary Broadcast Antenna Array

add \$9,990.

(same specs as primary antenna array)

(includes mounting hardware, antenna, inline surge adapter, and wiring harness, APC 500 watt uninterruptible power supply)

Additional User Connection Kits

add \$895.

(Wireless Broadband Modem, Antenna, mounting kit, 20' low loss cable)

** Professional Installation quoted upon request **

Features and Specifications

Model WL2430

IEEE 802.11 compliant – All antenna equipment are fully compliant with the final IEEE 802.11 specifications for wireless LAN's and thus support interoperability with other IEEE 802.11 compliant vendors

Translation Bridging – Support for both translation and transparent bridging as defined in the IEEE 802.1h and RFC 1042 standards

Seamless Roaming – Network connection is maintained while roaming between overlapping coverage areas. Transmission and reception can be continues while moving at high speeds with no data packet loss or duplication.

Load Sharing – Traffic is equally distributed among all broadcast points in the area.

Redundancy – In co-located cell environments, upon failure of a broadcast antenna, user stations will automatically switch to other available broadcast points.

Upgrading – Simple, quick, and free software upgrades via TFTP.

SMTP configurations – easily configure or modify broadcast and user equipment via SMTP management software

Security – 802.11 compliant WEP (Wired Equivalent Privacy)

Broadcast Range – Radio frequency ranges may vary due to physical obstructions. With proper "line-of-sight", ranges from 2-6 miles can be achieved.

Wired LAN Interface

Technical Specifications	Wireless Broadband broadcast array and user broadband modem hardware
Compliant with	Ethernet / IEEE 802.3 CSMA / CD standard
Physical interface	10BaseT
Network Operating Systems supported	All
Network protocols supported	All

Base and Mast

Technical Specifications	Wireless Broadband broadcast antenna
Base Construction	Assembled Galvanized steel
Base footprint size	10 ft square for 40-60 ft pole 20 ft square for 80-100 ft pole
Pole construction	40-60 ft = 1 piece aluminum 80-100 ft = 2 piece aluminum
Raise and Lower mechanism	Manual hand crank with lock. Stainless Steel cable.

Wireless LAN Interface

Compliant with	IEEE 802.11 CSMA / CA Wireless LAN standard
Physical interface – antenna	External

Antenna Housing

Housing Construction	2 piece waterproof UV plastic
Physical connections	110 Vac, 5Vdc, antenna, ethernet

Radio Specifications

Type	Frequency Hopping Spread Spectrum (FHSS)
Frequency range	2.4 GHz – 2.4835 GHz (ISM band)
Dwell time	32,64,128 ms
Transmitted power	4dBm (2.5 mW)
Range – unobstructed	USA FCC – up to 6 miles Europe – 2.5 km Non-Regulated – 30km

Environmental

Operating Temperature	32 deg. F – 105 deg. F
Windload (single broadcast array)	280 mph maximum
Broadcast array weight	45 lbs
Base and pole weight (assembled)	40' – 60' = 280-345 lbs 80' – 100' = 412 – 530 lbs
Total maximum weight per sq/ft (assembled and 50# block weighted)	Approx 52 lbs per sq/ft