



Q-Bridge™

DATA SHEET

Wireless Ethernet Bridge System 2.4GHz 802.11b

Features

- Plug and Play – No complicated setup required
- 0 to 4 mile Line of Sight Range
- 4.5Mb/Sec Real World Thruput
- Transparent Ethernet Bridge – Multiple MAC Support
- Full Power over Ethernet Support
- Universal *QwikClamp*™ Mount System for Wall or Pole
- Remote Management and Update Capable



Q-Bridge – Bridge Pair

Applications

- XBOX and other Network Gaming
- Internet Access Sharing
- Connect Multiple Buildings
- Create a Mini Mesh Network
- Extend your Wireless or Wired LAN
- Remote Video and Media Servers

Description

The Connex Wireless *Q-Bridge*™ is a high performance wireless Ethernet bridge system which creates a transparent wireless bridge between two networks. The bridge is transparent in that the LAN's appear to be connected together as though through a hardwired Ethernet connection. The bridge supports multiple MAC addresses and DHCP.

The *Q-Bridge*™ comes fully configured as a bridge pair for true plug and play operation. No initial setup is necessary to create a working bridge connection between two Wireless or Wired LANs. 128Bit WEP security is configured and enabled for secure plug and play operation without the need for complicated setups. Full local or wireless remote configuration management is available thru an HTML Web Interface in order for the authorized user to be able to change passwords, encryption keys, output power, IP Address or various other settings. The unit can also be reconfigured as a high performance client bridge.

Typical applications include: Shared Internet Access, Network Enabled Gaming (XBOX and others), Connecting a home office to a remote office, connecting the LANs between two or more commercial buildings, Remote Video and media servers, VOIP Systems, Extending the range of a wireless network, etc.

The bridge system includes everything that is needed to connect two wired or wireless LAN's over a distance from 0 to 4 miles. Included in the *Q-Bridge*™ kit are (QTY 2) 802.11b *Q-Bridge* Antennas with field replaceable weatherproof ethernet connectors, (QTY 2) *QwikClamp*™ Universal Wall/Pole Mount Systems, (QTY 2) 75' Outdoor Rated CAT5e shielded cables and (QTY 2) POE power supplies. The customer needs to supply the CAT5 cable to connect the POE adapter to a computer (crossover cable) or to a hub, switch or router (straight thru cable).



POE Power Supplies



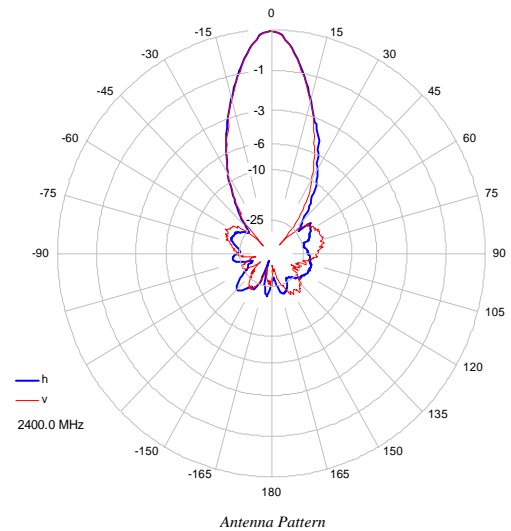
75' CAT5e Shielded Outdoor Ethernet Cables



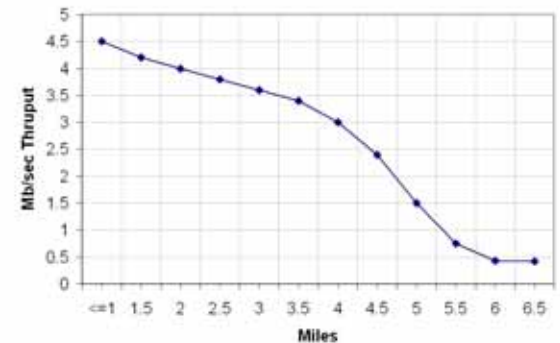
Q-Bridge™ Bridge Units with *QwikClamp*™ Wall Mount/Pole Mount Universal Mount System

Specifications

General	
Standards	802.11b (Wlan), 802.3(LAN), 802.3af (POE)
Modulation	DSSS (DPBSK, DQPSK, CCK)
Certifications	FCC / CE
Radio Specifications	
Operating Frequency	2400 to 2497MHz
Channels	USA/Canada 11; Japan 14; France 4; Europe 13
RF Output Power (software selectable)	250mW, 200mW, 150mW, 100mW
Maximum EIRP	+38dBm
Receive Sensitivity @ 11Mbps	-87dBm
Security	64/128bit WEP, WPA or TKIP 802.1x
Remote Config (Web Based)	By IP Address; thru Wireless or Ethernet
Antenna Specifications	
Antenna Gain	14 dBi
Antenna Beamwidth (V & H)	35 deg
Antenna Front to Back	>18dB
Polarization	Horizontal or Vertical
POE Specification	
Power Over Ethernet Injector (CE Approved / 802.3af Compliant)	INPUT: 90 – 264VAC @ 47 – 63Hz OUTPUT: 48VDC @ .35A
Mechanical Specifications	
Color	White or Gray
Dimensions (L x W x H)	10.75" x 10.75" x 2.6" (267 x 267 x 67mm)
Weight	15 lb (6.8kg)
Ethernet Connector	Field Replaceable Waterproof RJ45
Cable (75' long)	CAT5E Outdoor Rated Shielded Cable
Mount	Wall or Pole Mount
Environmental Specifications	
Operating Temperature	-40 to 158 Deg F (-40 to 70 Deg C)
Humidity	0 to 100% RH
Wind Loading (125MPH survivability)	100MPH / 28lbs; 125MPH / 43lbs



Q-Bridge Typical Thruput vs Distance
Line of Site = No Obstructions Between Antennas



Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- Q-Bridge carries a 1 year warranty

System Ordering:

Q-Bridge 2.4GHz 0-4 Mile 4.5Mb/sec Wireless Ethernet Bridge System

For further information contact:

Connex Wireless Website: www.connexwireless.com

