Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

Q-Bridge+™
Wireless Ethernet Bridge System

2.4 GHz 802.11b/g OPERATION

The Laird Technologies 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 hard wired 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. WPA2 (AES) 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 units can also be reconfigured as a high performance access point or client bridge.

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/g 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 system also includes the CAT5e cables to connect the POE adapter to a computer (crossover cable) or to a hub, switch or router (straight thru cable).

FEATURES RoHS

- Plug and Play – No complicated setup required
- 0 to 4 mile Line of Sight Range
- 15 Mb/Sec Real World Throughput (< ¼ Mile)
- WPA2 Encryption for best available security
- Transparent Ethernet Bridge – Multiple MAC Support
- Universal QwikClamp™ Mount System for Wall or Pole
- Remote Management and Update Capable

APPLICATIONS

- XBOX and other Network Gaming
- Internet Access Sharing
- Connect Multiple Buildings
- Remote Video and Media Servers
- Extend your Wireless or Wired LAN
- Remote video surveillance
- WiMAX

global solutions: local support™

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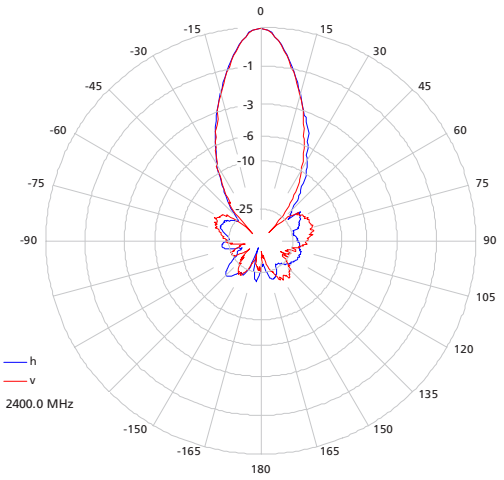
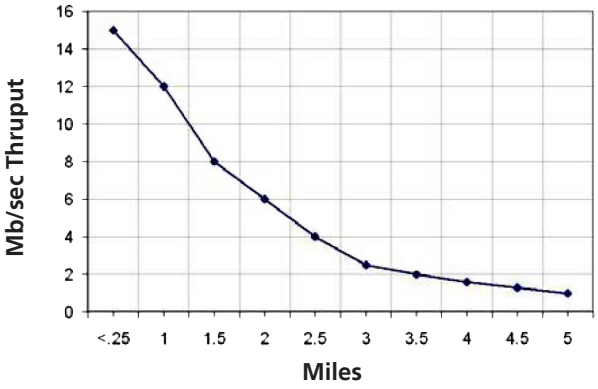


Antenna Pattern

Q-Bridge+ Typical Thruput vs Distance

Line of Site = No Obstructions Between Antennas



General Specifications	
Standards	802.11b/g (Wlan), 802.3(LAN)
Modulation	802.11b DSSS (DPBSK, DQPSK, CCK,) 802.11g OFDM (64QAM,16QAM,QPSK,BPSK)
Certifications	FCC / CE
Radio Specifications	
Operating Frequency	2400 to 2497 MHz
Channels	USA/Canada 11, Japan 14, Europe 13
RF Output Power (software selectable)	250 mW Max 802.11b 100 mW Max 802.11g
Maximum EIRP	+38 dBm
Receive Sensitivity @ 11Mbps	-84 dBm
Security	64/128bit WEP, WPA (TKIP/AES), WPA2
Remote Config (Web Based)	By IP Address; thru Wireless or Ethernet
Operating Power	60 mA
Antenna Specifications	
Antenna Gain	15 dBi
Antenna Beamwidth (V & H)	30 deg
Antenna Front to Back	>21 dB
Polarization	Horizontal or Vertical
POE Specification	
Power Over Ethernet Injector (CE Approved)	INPUT: 90 – 264 VAC @ 47 – 63 Hz OUTPUT: 48 VDC @ .35 A
Mechanical Specifications	
Color	White
Dimensions (L x W x H)	10.75 x 10.75 x 2.6 in (267 x 267 x 67 mm)
Weight	15 lb (6.8 kg) Shipping Weight
Ethernet Connector	Field Replaceable Waterproof RJ45
Cable (75' long)	CAT5E Outdoor Rated Shielded Cable
Mount	Wall or Pole Mount
Environmental Specifications	
Operating Temperature	-30 to 158°F (-34 to 70°C)
Humidity	0 to 100% RH
Wind Loading (125 MPH survivability)	100 MPH / 28 lbs; 125 MPH / 43 lbs

SYSTEM ORDERING

Q-Bridge+ 2.4 GHz 0-4 Mile 15 Mb/sec Wireless Ethernet Bridge System

NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-DS-Q-BRIDGE 0611