

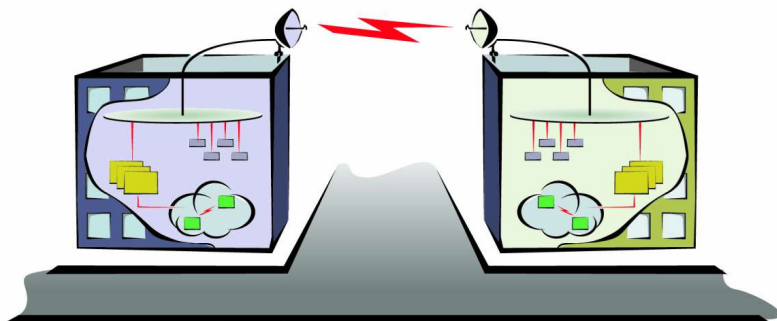
BRIDGELINK-PRO WIRELESS BRIDGES

Model RMG-397



The Award-winning BridgeLINK™ family of Wireless Bridges from RadioLAN provide reliable high-performance “building-to-building” connectivity for wide-area networks. Used in place of modems, ISDN, DSL, or T1 lines, BridgeLINK-Pros connect structures that are up to 32 miles (51 kilometers) apart, eliminating the recurring costs of leased connections, and providing more “megabits per dollar” than Telco solutions.

The BridgeLINK-Pro delivers low-cost Ethernet connectivity in a compact, easily installed enclosure. By using the Category-5 cable for power as well as data, the BridgeLINK-Pro dramatically reduces the complexity of installation, affords greater flexibility in locating the unit, and reduces installation costs. The Telnet and HTTP based configuration & management utilities give you easy access to powerful tools to control, manage and optimize your network. The Model 397 includes the integrated Bridge Processor Unit, a Power-over-Ethernet adapter, a power supply, an Antenna and an RF Cable.



RADIOLAN—HELPING YOU NETWORK YOUR NETWORKS!

FEATURES

- ☑ Connects Ethernet LANs, point-to-point
- ☑ 10 Mbps speed ~8.1 - 9.5 Mbps of real throughput
- ☑ Operates in the license-free U-NII & ISM bands at 5 GHz
- ☑ Range of up to 32 miles with a line-of-sight
- ☑ Easy to install and use
- ☑ IEEE 802.3 compliant
- ☑ Embedded RadioNET Manager™ Web Server for simple management and configuration. Includes:
 - SNMP Agent with MIB
 - SysLog support
 - Spanning tree (802.1d)
 - Antenna aiming tool with audio and visual feedback
 - HTTP, Console or Telnet interfaces
 - RADIUS Authentication
- ☑ 128-bit Encryption imparts no performance decrease

RadioLAN
www.radiolan.com

The shortest distance between two points is a straight line, yet traditional solutions for creating outdoor networks include digging trenches and laying cable around convoluted paths or leasing expensive telecommunication solutions. RadioLAN's BridgeLINK-Pro provides an Ethernet link that can connect buildings together in a matter of hours instead of weeks. With a range capability in miles, an integrated web server for simple configuration and management, Power-on-Ethernet technology for simple deployment, and award-winning performance, the BridgeLINK-Pro is a robust and flexible solution for connecting buildings, and provides an almost immediate investment recovery compared to alternative Wide Area Networking strategies.

Specifications

BridgeLINK-Pro System

Technology.....Differential Pulse Position Modulation (D-PPM)
 Frequency.....5.775 GHz ISM Band
 Radio Signaling Rate.....10 Mbps
 Media Access Protocol.....10BaseRadio, CSMA/CD for Ethernet,
 Topology / Bridge Architecture.....Point-to-Point Transparent Bridge



BridgeLINK-Pro (Model RMG-397)

Power Consumption.....375 mA
 Ethernet Interface.....RJ-45 802.3 Autosensing, Auto MDI/MDIX
 Diagnostics.....POST - Memory, Ethernet interface, Radio Interface
 LED.....Connectivity indicator: green=sense, amber=transmit
 Receive Sensitivity.....-67 dBm (min), -71 dBm (avg)
 Transmission power.....+17 dBm (50 mW)
 Dimensions.....8"x8"x6" w/o Mounting brackets
 Wind Survival:.....~190 Km/hour

Unit Specific Data	-i	-EAI	-25P	-RW2	-RW3	-RW4	-S90
Range	1 mile	1 mile	3.5 miles	8 miles	16 miles	32 miles	omni
Antenna Gain / Type	18 dBi	19 dBi	24.5 dBi	28 dBi	31.2 dBi	34.6 dBi	18 dBi
Beam width / Polarity	18° H	18° H	9° H	6.2° H	4.2° H	3° H	90°
Total Shipping Weight	12 lbs	16 lbs	17 lbs	38 lbs	80 lbs	165 lbs	38 lbs

RF Coaxial Cable Options (Standard is 36 inch flexible ¼" cable)

RMG Model	<u>RMG-316</u>	<u>RMG-314</u>	<u>RMG-315</u>
Type / Length:	LDF4-50A / 15 foot	FSJ4RN / 46 foot	FSJ4RN / 105 foot
Loss:	7.4 db/ 100 feet	10.6 DB / 100 feet	10.6 DB / 100 feet
Bend Radius:	5 inches	1.25 inches	1.25 inches
Connectors:	Type N at both ends		

PoE Adapter

Dimensions.....2.6" x 2.6" x 1.15" with top and bottom wall-mount tabs (3.52" tip to tip)
 Input Power.....External 15V (DC), 2.0 amps @110V (Provided)
 Ethernet Cable.....Shielded Category-5 unterminated
 Maximum length.....100 meters (328 feet)

Software

Wireless operating system.....10BaseRadio™
 Management.....RadioNET™ Manager (web-based), SNMP MIB II
 In-band Management Interface.....HTTP, Telnet
 Utilities.....IPAssign for IP Address assignments
 Authorization Tables.....Input lists of allowed or disallowed MAC addresses - Radius Support
 Encryption.....128-bit RC4 Encryption System (optional)

Environmental

Temperature.....-30° - +60° C
 Operating Humidity.....100% Condensing
 Approvals.....FCC Part 15.407 (U-NII) and Part 15.247 (ISM), FCC Class B, Bellcore GR-63-CORE
 Standards Compliance.....802.3, HTTP, RFC 768, 783, 906, 791 & 1541, NEMA 4 Environmental Compliance
 Warranty.....1 Year parts and labor (return to factory)

Corporate Headquarters:



185 Lewis Road - Suite 30
 San Jose, CA 95111
 Phone: 408-365-6200
 Fax: 408-365-7675

