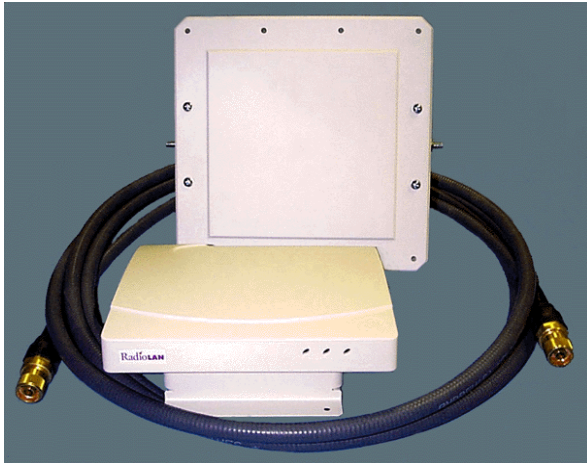


10Mbps Point-to-Point Bridge

Wireless Campus BridgeLINK-II

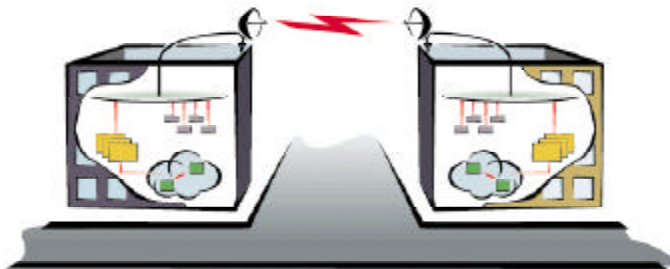
Model RMG-377 and RMG-367



The Award-winning Campus BridgeLINK™ Wireless Ethernet Bridging products from RadioLAN Marketing Group (RMG) provide you reliable high-performance “building-to-building” connectivity for campus-area networks. The Campus BridgeLINK-II models 367 and 377 were designed to provide reliable low-cost Ethernet transmission solutions between two points.

Used in place of modems, ISDN, Frame Relay, or T1, the Campus BridgeLINK-II affords easy installation with fast and stable connections, and eliminates the recurring costs of and reliance on the telecommunication companies. The Campus BridgeLINK-II includes SNMP and HTTP configuration & management utilities that give you easy access to the powerful tools to control, manage and optimize your network.

The Model 377 includes a Processor Unit, a Companion Radio Module, an 8-inch square antenna, a 15-foot coaxial RF cable and installation & management software. The Model 367 comes similarly equipped, but the RF cable is 47 feet, offering more cabling flexibility for shorter-range applications.



Campus BridgeLINK-II:

- Provides true Ethernet-speed (10 Mbps) connectivity between two or more locations.
- Provides fast, reliable connections without high recurring costs and reliance on telecommunication companies.
- Is easy to install and operate, and has many ease-of-use features such as a browser interface, LED diagnostics and an antenna aiming tool.

Features

- Connects Ethernet LANs, point-to-point
- 10 Mbps speed ~8.1 Mbps of real throughput
- Operates in the license-free U-NII bands at 5 GHz
- Range of up to and beyond nineteen (19) miles (30 km) 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 support
 - Spanning tree (802.1d)
 - Integrated antenna aiming applet with audio and visual feedback
- Optional 128-bit Encryption and Radius Authentication



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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. RMG's Campus BridgeLINK-II provides a 10 Mbps 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, and award-winning performance, the Campus BridgeLINK-II is a robust and flexible solution for connecting buildings, and provides an almost immediate investment recovery compared to alternative networking methods.

Specifications

RadioLAN/10™ System

Model Number(s)	RMG-367si, RMG-367z (international); RMG-377xr, RMG 377z (international)
Frequency	5.200, 5.300, and 5.775 GHz U-NII band (unlicensed)
Technology	Wideband microwave transmission (D-PPM)
Radio Data Rate / Throughput	10Mbps / 8.1 Mbps typical
Range	RMG-367 - Up to 1/2 mile (800 meters)
.....	RMG-377 - Up to one mile (1.6 km)
.....	OEM and Modified Versions - 19+ miles (30+ km)
Security	2-level network access control, optional RSA encryption
Topology	Line-of-sight, peer-to-peer architecture
Warranty	1 Year parts and labor (return to factory)
Total Model Weight	RMG-367 - 23 lbs. (10.5 kg)
.....	RMG-377 - 18 lbs. (8.2 kg)

Campus BridgeLINK-II Processor Unit

Media Access Protocol	CSMA/CD for Ethernet, CSMA/CA for wireless
Ethernet Architecture	Transparent bridge
Ethernet Interface	IEEE 802.3 10BaseT, autosensing, RJ-45 Connector, auto MDIX switch
LEDs	Power, Ethernet Link/Activity, Fault
Dimensions	7.375" x 5.9375" x 1.5625" (187mm x 151mm x 40mm)
Weight	19.52 oz. (553 g)
Input Power	External 10V (AC), 0.8 amps @110V
Serial Port	RS-232 (D-shell connector)

Companion Radio Module

Transmission power	50mW peak power per station
Dimensions	3.63" x 4.63" x 1.25" (92mm x 118mm x 33mm)
Weight	15.6 oz (434g)
LED	Connectivity indicator: green=sense, amber=transmit

Antenna

Gain / Type	17dbi Flat Panel antenna
Dimensions	8.75" (22.25 cm) x 8.75" (22.25 cm)
Beam width / Polarity	19° / Horizontal
Adjustments	Azimuth and Elevation

RF Coaxial Cable

RMG Model	<u>RMG-367</u>	<u>RMG-377</u>
Type / Length:	FSJ4RN / 46 foot	LDF4-50A / 15 foot
Maximum diameter over jacket:	0.52" (13.2 mm)	0.64" (16.2 mm)
Connectors:	Type N at both ends	Type N at both ends
Loss:	10.6 DB / 100 feet	7.4 db/ 100 feet
Bend Radius:	1.25 inches	5 inches

Software

Wireless operating system	10BaseRadio™
Management	RadioNET™ Manager (web-based), SNMP MIB II
Configuration	Serial port, RadioNET Manager, IP Assign for Web browser
Authorization Tables	Input lists of allowed or disallowed MAC addresses

Environmental

Temperature	0° - 60° C
Relative humidity	85% Maximum
Approvals	FCC Part 15.407 (U-NII), FCC Class B
Standards Compliance	802.3, HTTP, RFC 768, 783, 906, 791 & 1541



Corporate Headquarters:

185 Lewis Road - Suite 30
San Jose, CA 95111

Phone: 408-365-6200
Fax: 408-365-7675

