

Features

- 10 Mbps wireless connectivity
- Connectivity to Ethernet local area networks, building-to-building
- Line-of-sight, range of up to one-half mile (800 Meters)
- 8" square antenna with 17dbi gain
- Easy to install and use
- Loop control and redundancy with spanning tree support (802.1d)
- IEEE 802.3 compliant
- RadioNET™ Manager with SNMP and HTTP
- IP Assignable
- Optional RSA Encryption



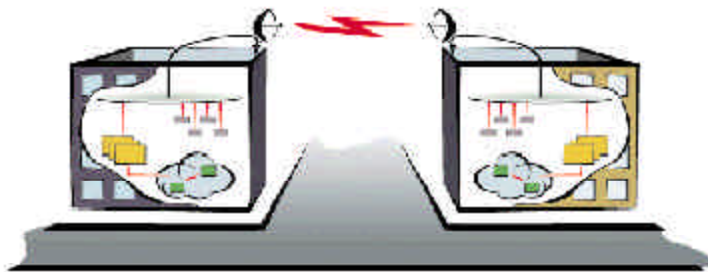
Wireless Campus BridgeLINK

Model RMG-357



The award-winning Wireless Campus BridgeLINK™ from RadioLAN Marketing Group (RMG) products provide high-performance, 10 Mbps wireless “building-to-building” LAN connectivity for campus-area networks. Used in place of modems, ISDN, Frame Relay, or T1, the Campus BridgeLINK provides easy installation, with fast and stable connections without the recurring costs of and reliance on the telecommunication companies. Campus BridgeLINK provides a lower cost, more reliable and guaranteed Ethernet transmission solution between buildings in close proximity.

Campus BridgeLINK includes SNMP and HTTP configuration & management interface solutions that provide the ease-of-use control for your network. The Wireless Campus BridgeLINK Model 357 includes a Processor Unit, a Companion Radio Module, an 8-inch square antenna, a 46-foot coaxial cable and



- Provides fast, reliable connections without high recurring costs and reliance on telecommunication companies.
- Provides two levels of network security for your IEEE 802.3 compatibility needs, and an optional encryption package.
- Uses the 10BaseRadio™ Technology that has garnered Network Magazine's Product of the Year award two years in a row
- Includes RadioNET™ Manager software that delivers on manageability and configurability.

RMG's Wireless Campus BridgeLINK provides a 10 Mbps connection that can connect buildings together in a matter of hours instead of weeks.

Traditional solutions for creating campus area networks have included digging trenches and laying cable or leasing telecommunication solutions to support building-to-building network connections.

The Campus BridgeLINK is a completely flexible solution, providing an almost immediate investment recovery over other alternative solutions.

	RMG	Competition	T1/T3	Trenching
High Performance Data Rate	10Mbps	<2-10 Mbps	<2Mbps	10/100Mbps
Antenna	8"	2' or more	N/A	N/A
Installation Time	<1 hour	1-2 weeks	1-2 months	1-2 months
Recurring Costs	\$0	\$0	\$100-\$800/month	\$0
Installation Cost	<\$100	\$1000-\$5000	\$500-\$1000	\$1000-\$50000
Flexibility	Complete	Little	None	None

Specifications

RadioLAN/10™ System

Model Number	RMG-357
Warranty	1 Year parts and labor (return to factory)
Frequency	5.775 GHz U-NII band (unlicensed)
Technology	Narrow band microwave transmission
Radio Data Rate	10Mbps
Range	Up to one-half mile (800 meters)
Security	2-level network access control, optional RSA encryption
Topology	Line-of-sight, peer-to-peer architecture
Total Model Weight	23 lbs. (10.5 kg)

Campus BridgeLINK Processor Unit

Media Access Protocol	CSMA/CD for Ethernet, CSMA/CA for wireless
Ethernet Architecture	Transparent bridge
Ethernet Interface	IEEE 802.3 10 BaseT/RJ-45 Connector
LEDs	Status, Power, Ethernet Link, Ethernet Activity
Input Power	External 12V (DC), 0.8 amps @110V
Serial Port	RS-232

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

Antenna

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

46' Coaxial Cable

Type F/SJ4RN	0.52" (13.2 mm) maximum diameter over jacket (Complete with Type N connectors at both ends)
Loss	Low Loss = .106 db/ft.
UL Rated	Indoor/Outdoor

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	5° - 40° C
Relative humidity	85% Maximum
Approvals	FCC Parts 15.407 (U-NII)
Standards Compliance	802.3, HTTP, RFC 768, 783, 906, 791 & 1541



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