DataMetro™ II

Wireless Remote Access Router

Features

- **Self contained wireless router with Ethernet and antenna ports**

- **Range up to 30 miles (50 km) per hop, supports multiple hops**

- **Wired WAN-like data throughput approaches T1 performance**

- **Supports multiple physical topologies; Star, Mesh, and Point-to-Point**

- **End-to-end SNMP support monitoring network and radio performance remotely**
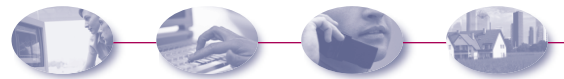
General Description

The DataMetro II wireless router provides wide area connectivity for pack oriented networking of multiple locations up to 30 miles (50 km) apart. This technology delivers very low bit error rate links that have high immunity to interference. This self-contained wireless router with Ethernet and antenna ports is easily installed. Deployment is also simple since licensing is not required in most countries.

DataMetro II is ideally suited as a cost-effective wireless solution for Internet Service Providers (ISP) as well as organizations with dispersed sites needing to connect their computers or LANs.
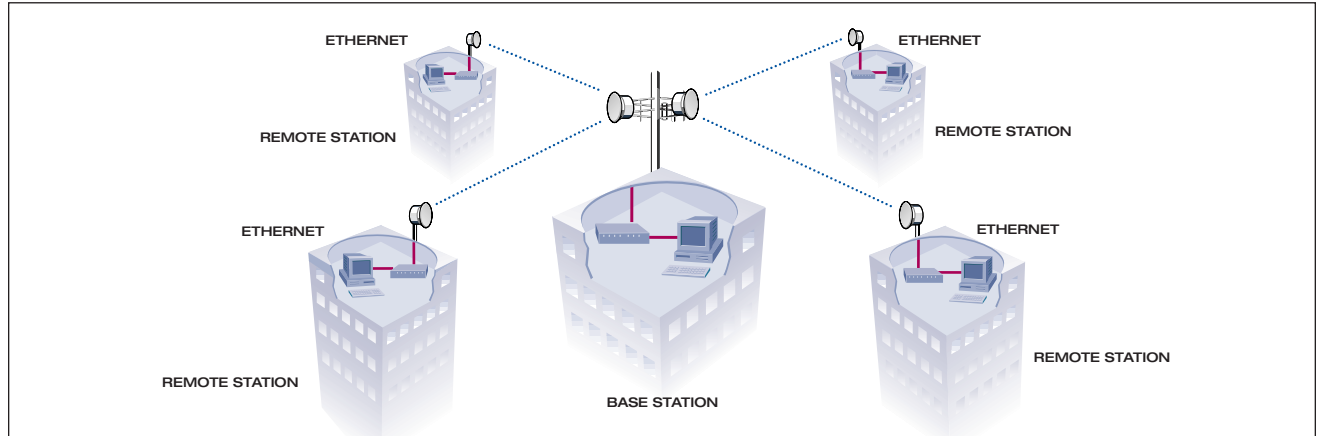
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WIRELESS ACCESS GROUP

DataMetro™ II

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Typical Applications

Radio Specifications

Frequency	2.400-2.4835 GHz ("S-band")
RF Channels	9 overlapped (DataMetro II 1280)
	14 overlapped (DataMetro II 320)
Transmit Power	1-800 mW (0-28 dBm)
Receive Sensitivity	−86 dBm (DataMetro II 1280)
@ 10E−6 BER	−92 dBm (DataMetro II 320)
Antenna Options	0-24 dBi gain

System Specifications

Performance

Data Rate (burst)	DataMetro II 1280: 1.28 Mbps
	DataMetro II 320: 320 kbps
Bit-Error Rate	Better than 10^{-10} unfaded
Max. Users	127 WAN nodes per cluster
Routable Protocols	IP IPX

Dynamic Routing Protocols	IP: RIP v1/v2 IPX: IPX-RIP
System/Network Administration	SNMP
	Remote configuration (BOOTP, TFTP)
	Statistics, history, alarm, and events groups
	System log capability
	Software download via RS-232C or network via Ethernet or wireless link (TFTP)

Range
(Single hop maximum 30 miles depending on power, network topology, terrain, antennas, cable, data rate)

Power

Power Supply	100-240 VAC @ 50/60 Hz, 25.9 W

Environmental

Temperature	0 to 50° C (32° to 122° F)

Size and Weight

Dimensions	1.75 H x 17 W x 10 D inches (44 H x 432 W x 254 D mm)
Weight	10.3 lbs (4.7 kg)

Ordering Information

Model Number	Description
DM1280S-0P?A	DataMetro II 1280
DM320S-0P?A	DataMetro II 320

Certifications and Regulatory

Certifications	FCC

Warranty

Includes standard 3-year warranty