RangeLAN2™

7920 Series Ethernet™ Adapter

Wireless LAN Connectivity to Any Device with an Ethernet Interface

Data Sheet



Advantages

- **Complete Ethernet Support**
  Windows 3.1, Win95, WinNT, Macintosh, DOS, UNIX, OS/2, SUN, VAX, etc.
- **Workgroup Concentrator**
  Wireless connectivity for small wired networks. Single cell support where roaming is not required.
- **Easy to Install**
  Plug-and-Play through transparent network support. Hardware switches for most installations.
- **Durable**
  Wide temperature range and vibration specifications. Optional NEMA 4 outdoor enclosure available.
- **Battery Operation**
  Multiple power saving modes available. Wide input voltage range.

Wireless LAN Connectivity for Any Device with an Ethernet Interface

No matter what network operating system or hardware platform you use, RangeLAN2 7920 Series Ethernet Adapters support wireless connectivity to it. Internal bridging features in the RangeLAN2 Ethernet Adapters automatically forward packets as required with no modification to your applications. RangeLAN2 Ethernet Adapters make driver and hardware installation a thing of the past.

RangeLAN2 7920 Ethernet Adapters provide wireless connectivity solutions to PCs, Macintosh and UNIX computers, printers, medical, manufacturing, industrial, transportation and educational equipment with built-in Ethernet interfaces.

Plug-and-Play Installation

The RangeLAN2 7920 Ethernet Adapter is designed for plug-and-play installation. Plug it in the Ethernet port of any device for connection to the wireless RangeLAN2 or OpenAir™ network. External switches and an easy-to-use configuration menu accessible via a serial port are provided if required.



Portability and cable replacement solutions for all Ethernet devices

Designed for Industrial/Manufacturing Environments

This small, lightweight unit is rugged enough to be placed in the harshest of industrial or manufacturing environments. The RangeLAN2 7920 Ethernet Adapter brings connectivity to your most difficult locations with its wide temperature range and robust mechanical design.

Workgroup Concentrator Setup

The RangeLAN2 7920 Series Ethernet Adapter supports small network connectivity to other RangeLAN2 devices. It supports a maximum of eight wired nodes to its wired Ethernet port. It also supports single cell topologies for your small network where roaming is not required.



Setup of low cost, light traffic, single cell, wireless network

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RangeLAN2™

7920 Series Ethernet Adapter

Specifications

General

Architecture	Transparent bridge
Radio Data Rate	1.6 Mbps per channel, 800 Kbps fallback rate
Channels	Supports 15 independent, non-interfering "virtual channels" (hopping patterns)
Range	Up to 500 feet (~150 m) radius indoors 1,000+ feet (300+ m) radius outdoors XR technology can increase coverage up to 30% indoors and 100% outdoors (More with optional antennas)
Power Management (9 V)	Typical operating power: 240 mA Typical sleep: 75 mA
Certifications	• US - FCC Part 15, UL • International - Contact Proxim for a list of currently certified countries
Compatibility	Fully interoperable with all RangeLAN2 or OpenAir certified products
Warranty	1 year parts and labor (return to factory)

Network Information

Network Architecture Types	Communicates to wired networks via a RangeLAN2 or OpenAir-certified Access or Extension Point
Roaming	Supports RangeLAN2 roaming for seamless roaming between RangeLAN2 or OpenAir-certified Access Points
Domains	Up to 16 domains for simultaneous independent networks
Security	Encrypted Security ID
Master/Station	Both Master and Station capabilities (No roaming supported when set to master)
Filtering Rate	2100 packets per second, eight node filter table
Ethernet Port	10Base-T (RJ-45 connector) pinout conforms to hub conventions (Standard cable is required to connect to a NIC card, crossover cable is required to connect to a hub)

Management

Hardware Switches	For plug-and-play operation: • Master/Station rotary switch • 10 position domain switch
Physical Management Connections	DB9 plug with standard serial cable (shipped with unit)
Software Upgrades	Downloadable over the serial port

Radio

Frequency Band	2.4 GHz frequency band. Actual frequencies in use vary by country
Radio Type	Frequency Hopping Spread Spectrum (FHSS)
Radio Output Power	100 mW, 500 mW with XR technology (varies by country, not user-configurable)

Environmental

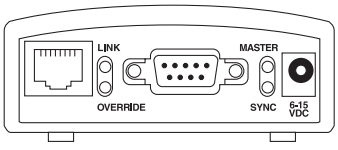
Temperature Range	-20 to 60 degrees centigrade
Humidity (non-condensing)	20 to 90% typical
Enclosure (available separately)	Optional NEMA 4 rain and splash proof; heater option; RF connectors

Physical Specifications

Weight	9.2 ounces (260 grams)
Size	5.40" L x 3.30" W x 1.35" H (1.4 cm x 8.4 cm x 3.4 cm)
Input Voltage	6 to 15 VDC (2.5 mm DC power jack)
Accessories Included	• Operating Manual • Power supply • 1 dBi omnidirectional antenna • Serial Cable • Switch plugs • Switch setting tool

Ordering Information

7920	RangeLAN2 Ethernet Adapter, 100mW
7921	RangeLAN2 Ethernet Adapter XR, 500mW*



* Check for availability in your market

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