RoadRunner™ WT200/WR200

> > > > > > > > > > > > > *Wireless LAN*

High Speed Data Rate up to 54Mbps
Capable of handling heavy data payloads such as MPEG video streaming

IEEE 802.11b/g Compliant
Fully Interoperable with IEEE 802.11b/IEEE 802.11g compliant devices

Point-to-point/multipoint Wireless Connectivity
Transfer data between multiple vehicles

True Plug and Play Device
No drivers are necessary

Full WPA & IEEE802.1x supplicant support
Powerful data security

Hide SSID (AP Mode)
Prevents unauthorized users from sharing the bandwidth, increases efficiency of the network

DHCP Client/ Server
Simplifies network administration

WDS (Wireless Distribution System)
Configures wireless access point and bridge mode simultaneously as a wireless repeater

MAC Address Filtering (AP Mode)
Ensures secure network connections

Controllable Output Power
For maximum flexibility in deployment options

SNMP v1/ v2 Support
Provides easy remote management

Features and specifications are subject to change without notice

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The RoadRunner™ Wireless LAN operates seamlessly in the 2.4 GHz frequency spectrum, the transmitter and receiver support the 802.11b (2.4GHz, 11Mbps) and the new, faster 802.11g (2.4GHz, 54Mbps) wireless standards.

Designed for use with the RoadRunner™ Mobile Digital Video System, the client bridge features security enhancement functionalities like EAP-TTLS and supports a multitude of certified solutions such as 802.3af Power over Ethernet. The WR-200 is the perfect solution for mobile video applications.

RR-WR200: Wireless LAN High Powered Receiver

RR-WT200: Wireless LAN High Powered Transmitter and Vehicle Antenna

Specifications

RADIO

Frequency Band	2.4 - 2.484Ghz
Media Access Protocol	Carrier Sense Multiple Access with Collision Avoidance
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Operation Channels	11 for North America
Typical RF Output Power	25 +/- 2dBm@1, 2.5, 5 & 11Mbps, 23 +/- 2dBm@6, 9, 12 & 18Mbps 22 +/- 2dBm@24 & 36Mbps, 21 +/- 2dBm@48 & 54Mbps
Antenna Connector	TNC Type, Female Reverse
Typical Receive Sensitivity	-94dBm @ 1Mbps, -92dBm @ 2Mbps, -89dBm @ 5.5Mbps, -86dBm @ 11Mbps, -92dBm @ 6Mbps, -90dBm @ 9Mbps, -88dBm @ 12Mbps, -96dBm @ 18Mbps, -83dBm @ 24Mbps, -79dBm @ 36Mbps, -74dBm @ 48Mbps, -72dBm @ 54Mbps
Modulation OFDM	DBPSK @ 1Mbps DQPSK @ 2Mbps CCK @ 5.5 & 11Mbps BPSK @ 6 & 9Mbps QPSK @ 12 & 18Mbps 16-QAM @ 24 & 36Mbps 64-Qam @ 48 & 54Mbps

NETWORK

Network Topology	Ad-Hoc, Infrastructure
Operation Modes	Point-to-point/Point-to-Multipoint Bridge/Access point/ Client Bridge/WDS
Interface	1x 10/100Mbps RJ-45 LAN Port
Supported OS	Windows 98SE, ME, 2000, XP
Roaming	IEEE802.11b compliant
Security	IEEE802.1x Authenticator/ RADIUS Client EAP-MD5/TLS/TTLS support in Access Point Mode, WPA/Pre-share Key (PSK)/TKIP MAC Address Filtering, Hide SSID in beacons, Layer 2 isolation
IP Auto Configurations	DHCP Client/Server

SPECIFICATIONS

Data Rates	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54Mbps Standards: IEEE802.11b, IEEE802.1x, IEEE802.3, IEEE802.3u, IEEE802.11g, IEEE802.11b/g
Power Requirements	Power Supply 110VDC, Device 12V/1A
Status LEDs	LAN-Link, WLAN-Link, Power- on/off
Regulation Certifications	FCC Part 15/UL, ETSI300/ 328/ CE

ENVIRONMENT

Temperature Range	Operating: -10°C to +60°C; Storage: -40°C to +70°C
Humidity	5% ~ 95% (non-condensing)

MANAGEMENT

Configuration	Web-based configuration HTTP Telnet configuration SNMP V1/V2C MIBI, MIBII
Fireware Upgrade	Upgrade Firmware via web-browser