

9150 Wireless Gateway



FEATURES

- The 9150T supports Wireless Distribution System (WDS), allowing for a completely wireless infrastructure, it's dual radio support allows for mix and match of RF technologies – 802.11b and Narrowband
- Designed to conform to the Draft 802.3af standard the 9150DC* is Power over Ethernet capable, allowing for cost effective installations, it's dual radio support allows for dual 802.11b radios for broader coverage
- Industrial housing makes the 9150 Wireless Gateway suitable for harsh environments
- Mini-controller capabilities for thin client devices featuring ANSI, 5250 and 3274 emulations
- Enhanced real-time diagnostics and configuration via HTTP, Telnet or serial console with dial in capabilities via modem
- The 9150 Wireless Gateway is fully compatible with MapRF, Psion Teklogix network management for wireless systems

* Requires Psion Teklogix 9100 PowerBaseT mid-span power supply

Where flexibility meets performance

POWER, SPEED, AND FLEXIBILITY

When you need to instantly move information over a broad area, you need the right radio backbone to meet your needs. The 9150T Wireless Gateway allows you to mix and match RF technologies – 802.11b for high transaction rates and Narrowband RF for larger areas requiring extensive coverage. If cost is a factor in your wireless backbone decision, then the 9150DC is the Wireless Gateway for you. Supporting Power over Ethernet, the 9150DC eliminates the cost of purchasing and installing traditional A.C. power lines. With support for dual 802.11b radios, the 9150DC allows for broader wireless network coverage.



information in motion

9150 Wireless Gateway



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Specifications

PROCESSOR AND MEMORY

- Microprocessor:
9150T – Power PC 860T, 50 MHz Processor
9150DC – Power PC 860T, 50-60 MHz Processor
- Flash: 2 MB Flash ROM
- RAM: 16 MB DRAM

WIRELESS COMMUNICATION OPTIONS

- **Lucent WaveLAN IEEE 802.11b 2.4 GHz Direct Sequence Radio**
Transmission Power: 32 mW
Frequency: 2.4 to 2.4835 GHz
Data Rates: 1, 2, 5.5, 11 Mbps
Channels: 11 (FCC), 13 (ETSI), 4 (FR), 1 (JP), 2 (SP)
- **TRX 7370 Enhanced Narrowband***
Transmission Power: 2 watts North America; 0.1 to 2 watts International
Frequency: 403 to 512 MHz
Data Rates: 9.6 or 19.2 Kbps
Channels: 20

*Not available with 9150DC Wireless Gateway

HOST COMPUTER/NETWORK CONTROLLER INTERFACE

- LAN Interfaces
On-Board Ethernet: 10BaseT/100BaseT (10/100 Mb/s) card
Data Rate is auto-sensed

DIAGNOSTIC/CONFIGURATION TERMINAL INTERFACE

- Support for optional terminal console (ANSI), direct or modem
- SNMP "Get, Set and Traps" support
- TELNET to console
- HTTP Web Browser

SECURITY/ENCRYPTION

- IEEE 802.1x compliant
- Silver PC card: Wired Equivalent Privacy (WEP) using a 64-Bit key
- Gold PC card: Enhanced security with a 128-Bit key, using RC4 encryption
- Network Packet Filtering
- MAC Address Filtering

COMPATIBILITY

- ORINOCO PC card is interoperable with other manufacturer's high-speed IEEE 802.11b compliant systems
- ORINOCO radio is fully compliant with the WECA Wi-Fi standard

PC CARD EXPANSION

- One Type II card (exposed)
- One Type II card (internal)

ENHANCEMENTS

- Wireless Distribution System (WDS) – 9150T
- Power over Ethernet – 9150DC
- Point-to-Point Bridging
- MapRF support: Monitoring, configuration, software management, SNMP MIB-II support

ANTENNA OPTIONS

- All standard 9150 narrowband (403-512 MHz) antennas available
- 6 dBd omni-directional (2.4 GHz only)
- 5.5 dBd directional patch (2.4 GHz only)
- 0 dBd dipole (screw-on version, 2.4 GHz only)
- 2.4 GHz Diversity Antenna Kit

SIZE AND WEIGHT

- Enclosure: Bayer Makroblend EL-700 (PC/PET blend), jet black in colour; texture to MT-11030 or equivalent
Dimensions: Nominal: 36.3cm/14.3" high x 26.2cm/10.3" wide x 7.4cm/2.9" deep
Maximum: 36.8cm/14.5" high x 26.7cm/10.5" wide x 7.6cm/3.0" deep
Weight: Nominal: 2.9kg/6.5 lbs
Maximum: 3.2kg/7.0 lbs

ENVIRONMENTAL

- Temperature:
Operating: 0°C to 50°C (32°F to 122°F)
Storage: -40°C to 70°C (-40°F to 158°F)
Humidity: 10% - 90% relative humidity, non-condensing
Rain/Dust: IEC 529, IP42 rating

RADIO LINK ERROR HANDLING

- Handled through the 802.11b protocol for all 2.4 GHz systems
- Error detection via 16 Bit Cyclic Redundancy Check (CRC-16), positive acknowledgement and correction via automatic retransmission

POWER

- | 9150T | 9150DC |
|--------------------------------|---------------------------------|
| • Input Voltage: 100 – 240 VAC | • Input Voltage: 48 VDC nominal |
| • Frequency: 50/60 Hz | • Current: 250 mA maximum |
| • Current: 1.0 A | |

ELECTRICAL SAFETY APPROVALS

- CSA/NRTL, TUV, and CE

APPROVALS

- FCC Part 15 Subpart B, Class B

*Specifications are subject to change without notification



The Standard for
Wireless Fidelity.