

9150 Wireless Gateway



FEATURES

- Dual radio capability, offering a choice or a combination of radio technologies
- Web-based system management for configuration from network browser or software updates over LAN
- Enhanced real-time diagnostics via Telnet or serial console with modem capabilities
- Access point and base station functionality provides flexibility for wireless backbones and radio independence
- Mini-controller capabilities for thin client devices featuring ANSI, 5250 and 3274 emulations
- In 802.11b mode, dual radio and dual channel capabilities allow for broader wireless network coverage

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 for your site and applications. The 9150 Wireless Gateway allows you to mix and match RF technologies – 802.11b 2.4 GHz for high transaction rates in confined areas, and optimised 902 MHz or narrowband for larger areas. Designed to meet the demanding communications needs of manufacturing, warehousing, distribution and logistics environments, the 9150 allows workers to move freely while maintaining reliable, sub-second response times. Whether configured as an access point or base station, the 9150 allows for future system growth while supporting migration to future wireless standards.



information in motion



9150 Wireless Gateway

Specifications



9150 Wireless Gateway

PROCESSOR & MEMORY

- Microprocessor: Power PC 860DC, 40 MHz Processor
- Flash: 2 MB Flash ROM
- RAM: 4 MB DRAM expandable to 16 MB

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: 11, 5.5, 2.1 Mbps
 Channels: 11 (FCC), 13 (ETSI), 4 (FR), 1 (JP), 2 (SP)

• TRX7370 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

• Proxim 900 MHz Spread Spectrum Direct Sequence

Transmission power: 0.25 watts - FCC; 1 watt - non FCC
 Frequency: 902-928 MHz
 Data Rate: 122 kbps WLAN only
 Channels: 7

HOST COMPUTER/NETWORK CONTROLLER INTERFACE

- LAN Interfaces
 Ethernet: 10BASE5 (thick coax), 10BASE2 (thin coax), 10BASE-T (twisted pair; 10 MB), 100BASE-T* (twisted pair; 100 MB)
 * available mid-2001
 Token Ring: PCMCIA type II standards card, 4MB or 16MB
 Line Driver Options: RS232 or Current Loop

DIAGNOSTIC TERMINAL INTERFACE

- Support for optional terminal console (ANSI), direct or modem
- SNMP "GET" support
- TELNET to console

ENCRYPTION

- 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

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

- Configurable through web browsers
- Network Packet Filtering
- Flash update via network
- SNMP MIB-II support

ANTENNA OPTIONS

- All standard 9150 narrowband (403-512 MHz) and spread spectrum (900 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 & 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

- Input Voltage: 100 - 240 VAC
- Frequency: 50/60 Hz
- 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.

A WORD ABOUT PSION TEKLOGIX

Psion Teklogix provides mobile computing solutions for the enterprise. The company's systems, installed in more than 10,000 sites worldwide, provide mobile workers with anytime, anywhere access to enterprise IT systems. The largest operating division of Psion PLC, Psion Teklogix plays a key role in its parent company's vision to create new ways to access mobile data and the mobile internet. Psion Teklogix has 43 sales and support offices and 95 independent distributors throughout the world.