MobileLAN™

Product
Profile

MobileLAN™ access 2102

- **Wireless access anywhere in the enterprise**

- **Lightweight and low cost**

- **Industry-standard technologies for seamless integration**

- **Add wireless capabilities without the expense of extra hubs, servers or complicated wiring**

The 2102 Access Point is the choice for high performance wireless LANs and supports the most demanding requirements for wireless LAN applications in office environments. The 2102 lets mobile computing clients roam anywhere throughout an enterprise without losing their network connection.

The 2102 uses industry standard IEEE 802.11b high-rate and OpenAir wireless technologies, supporting up to 11 Mpbs data rates. With a sleek, professional design and weight of less than eight ounces, the 2102 is designed for easy integration in office environments.

The 2102 is the latest in a family of high performance wireless LAN products from Intermec that are easy to install and manage. Together with 2100 and 2101 access points, the 2102 provides wireless networking solutions for companies regardless of the complexity of their networking requirements. Intermec's family of access points offers fully integrated IP Tunneling, an enhancement that allows large wireless LANs to span across multiple subnets. This allows users of wireless-enabled laptops and other mobile computing devices to maintain a continuous, high quality network connection while seamlessly roaming anywhere throughout the enterprise.

As an added benefit for network administrators, Intermec's wireless LAN access points automatically track and connect roaming clients without the cost and complexity of a dedicated mobile IP server or additional hubs and cabling. Intermec's innovative design ends the cumbersome, user-table programming and setup, and eliminates what could become a single point of failure on a wireless LAN.

Intermec's family of high performance wireless LAN products allows companies to quickly, easily, and affordably add wireless networking to their existing infrastructure.

Physical Characteristics

Length: 14.66 cm (5.77")

Width: 3.53 cm (1.39")

Height: 9.32 cm (3.67")

Weight: 232g (.51 lbs.)

Input Voltage: 5 VDC. Supply with external power supply. 100-240 VAC Auto ranging power supply.

Wireless LAN Characteristics

IEEE 802.11b high-rate GHz Direct Sequence Wireless Radio

Frequency Band: 2.4 GHz frequency band; actual frequencies in use vary by country.

Radio Type: IEEE 802.11b high-rate Direct Sequence Spread Spectrum (DSSS)

Radio Power Output: 32 mW (15dBm)

Radio Data Range: 11 Mps, 5.5 Mps, 2 Mbps, 1 Mbps with automatic fallback for increased range.

Channels: United States (FCC) 11 channels; Europe (ETSI) 13 channels; other countries per local regulations.

Receiver Sensitivity: -91 dBm @ 2 Mbps / -95 dBm @ 1 Mbps

Range:

2 Mbps: 356m (1200') open environment

1 Mbps: 425m (1400') open environment Limited using roaming

Compatibility: Designed to comply with IEEE 802.11 Direct Sequence wireless LAN standard for 2.4 GHz DSSS radio implementations.

2.4 GHz OpenAir™ Wireless Radio

Frequency Band: 2.4 GHz frequency band; actual frequencies in use vary by country.

Radio Type: WLI Forum OpenAir™ Compatible Frequency Hopping Spread Spectrum(FDHS)

Radio Power Output: 100 mW

Radio Data Range: 1.6 Mbps per channel.

800 Kbps fallback rate for extended range.

Channels: Supports 15 independent, non-interfering "virtual channels" (hopping patterns)

Receiver Sensitivity: -91 dBm @ 2 Mbps / -95 dBm @ 1 Mbps

Range: up to 150m (500') radius indoors. Unlimited using roaming.

Compatibility: Fully interoperable with Model 0110, 0111, 6710, 2101, 2100 Access Points as well as all certified WLI Forum OpenAir products and WLI Forum certified product.

Security: 20 digit security ID's available.

Network Information

Ethernet Interface: 10BaseT

Ethernet Data Rate: 10 Mbps

Filtering Rate: Full Ethernet Rate (14,880 packets/second)

Filters:

Protocol Filters: IP, IPX, NetBEUI, DECNET, AppleTalk.

Other Broadcast Traffic Filters: IP, ARP, Novell RIP, SAP and LSP. Adjustable bandwidth allocation.

Software Upgrades: Downloadables over the network or serial port.

Management

Management Interfaces: SNMP; Web browser-based manager; text-based menu system, serial port, or Telnet via RF, serial and Ethernet.

SNMP Agents: Version 1 RFC 1213, 1493, (IEEE 802.11 ID MIB), Enterprise MIB

SNMP Traps: Cold start, link up, link down, authorization violation.

Physical Management Connections: Phone line via customer-supplied modem: Ethernet; wireless network; direct cabled connection/DB9 plug, requires customer-supplied null modem cable.

Environment

Operating: Standard Unit -20° to 65℃ (-4℉ to 149℉)

Storage Temperature Range: -40° to 70℃ (-40℉ to 158℉)

Humidity (Non-Condensing): 10 to 90% relative humidity, non-condensing

Accessories

• Mounting Brackets

• Serial Console Cable

• Wide selection of RF Antennas and Cables

Regulatory Approvals

FCC Part 15.247 Certified

Canada RSS 210 Certified

ETS 300 328 Type Approved

EN 55022 / CISPR 22 Class B

FCC Part 15 & ICES-003 Class A

SCT Certification, NOM-EM-121, pending

AS 3548, C tick Marked

Compliant with all European Directives, CE Marked (prETS 300 826)

UL Listed, C22.2 II 950

TÜV Licensed, EN 60950

NYCE Certified, NOM 19

Restrictions On Use

Some approvals and features may vary by country and may change without notice. Please check with your local Intermec sales office for further information.

Intermec reserves the right to make changes without notice to any products herein for any reason at any time, including but not limited to improving the reliability, form, fit, function or design. Please contact Intermec for a current price list and availability.

WiFi™ The Standard for Wireless Fidelity.