

## UNIVERSAL ACCESS POINT

## 2102 Corporate Access Point

## Benefits:

- **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 Corporate 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 Mbps 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 Industrial and 2101 Enterprise 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.



# 2102 Corporate Access Point

## 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 (ETSD) 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 (FHSS)

**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 0° to 40°C (32°F to 100°F)

**Storage Temperature Range:** -20° to 65°C (-4°F to 149°F)

**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

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