

ENTERPRISE WIRELESS LAN

2101

Benefits:

- **Wireless access anywhere in the enterprise**
- **Enterprise roaming**
- **Investment built in**
- **Radio Independent™**
- **Enterprise system network management**
- **High performance wireless communication**

The Intermec 2101 Universal Office Access Point is the choice for high performance wireless LANs and supports the most demanding requirements for wireless LAN applications in retail, healthcare, and office environments.

Wireless access anywhere in the enterprise

- Access point, wireless access point, and wireless bridging all in a common platform
- Wide selection of RF antennas
- Small lightweight size for retail, healthcare, and office application

Enterprise roaming

- Wireless roaming across routers and switches
- Advanced IP tunneling and data link tunneling technologies

Investment protection built in

- Select the best technology today, migrate tomorrow
- Radio Independent™ allows freedom of choice
- Full support for *ALL* the wireless LAN standards: OpenAir, IEEE 802.11 Direct Sequence, IEEE 802.11b High Rate
- Patented dual radio support

Enterprise system and network management

- INCAView™, HP OpenView™
- WWW browser, TELNET, FTP, DHCP, BootP, SNMP management
- Electronic software distribution
- Graphical network map

High performance wireless communications

- Best performance/range
 - Best of class radio technologies
 - Wide selection of external antenna options
 - Automatic load balancing
 - Least cost routing maximizing wireless bandwidth



- Standard priority and high priority queues for unicast and Multicast Traffic
- High Reliability
 - Spanning Tree organizes 802.1D LANs into a seamless, reliable wireless LAN system
 - Auto (re)Config for simplified network set-up, redundancy and fault tolerance
 - Dual file system allows fail-safe upgrade
- Advanced Network Features
 - DHCP and BootP
 - Echo diagnostic protocol
 - Client ARP transition for associated nodes
 - Station parameter registration
- Advanced Filtering and Flooding
 - Broadcast/unicast flooding
 - Static and dynamic filtering
 - Universal of hierarchical flooding
 - Backward learning filter
 - Multicast filtering
 - Protocol filter
 - Pattern matching filter
 - VLAN ID filter



2101

Physical Characteristics**Length:** 250 mm (9.84")**Height:** 38 mm (1.49")**Width:** 159 mm (6.27")**Weight:** .526 kg (1.16 lb)**Input Voltage:** 5 VDC, Supply with external power supply, 100-240 VAC Auto Ranging Power Supply**Wireless LAN Characteristics****IEEE 802.11b High Rate Wireless Radio****Frequency Band:** 2.4 GHz, actual frequencies vary by country**Radio Type:** IEEE 802.11b High Rate (11 Mbps)**Modulation:** Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)**Radio Power Output:** 15 dBm**Radio Data Rate:** 11 Mbps High/5.5 Mbps Medium/2 Mbps Standard/1 Mbps Low

Automatic Fallback for increased range

Channels: United States (FCC) 11 Channels, Europe (ETSI) 13 Channels, other countries per local regulations**Bit Error Rate:** Better than 10-5

Range	1 Mbps	2 Mbps
Open Environment	1750ft (533m)	1300ft (396m)
Semi-Open	375ft (114m)	300ft (91m)
Closed Environment	165ft (50m)	130ft (40m)
Unlimited range with roaming		
Receiver Sensitivity:	-95 dBm	-92 dBm

Range	5.5 Mbps	11 Mbps
Open Environment	885ft (270m)	525ft (160m)
Semi-Open	230ft (70m)	165ft (50m)
Closed Environment	115ft (35m)	80ft (24m)
Unlimited range with roaming		
Receiver Sensitivity:	-87 dBm	-82 dBm

Security: IEEE 802.11 Wired Equivalent Privacy (WEP) standard, 128-bit wep optional**2.4 GHz OpenAir™ Wireless Radio****Frequency Band:** 2.4 GHz, actual frequencies vary by country**Radio Type:** WLI Forum OpenAir™ Compatible Frequency Hopping Spread Spectrum (FHSS)**Radio Power Output:** 100 mW**Radio Data Rate:** 1.6 Mbps per channel, 800 Kbps fallback rate for extended range**Channels:** Supports 15 independent, non-interfering "virtual channels" (hopping patterns)**Range:** Up to 150 meters (500 ft.) radius indoors, up to 300 meters (1000 ft.) radius outdoors

Unlimited using roaming

Compatibility: Fully interoperable with Model 0110, 0111 & 6710 Access Points as well as all certified WLI Forum OpenAir™ products**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:** Downloadable 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, (IEEE 802.1 ID MIB), Enterprise MIB**SNMP Traps:** Cold start, 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° to +100° F)

Storage Temperature Range:

-20° to 65° C (-4° 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 (~ETSI 300 826)

UL Listed, UL 1950 & IEC 60529-IP53

CSA Certified, C22.2 #950 & C22.2 #94-ENC 3.5

TUV Licensed, EN 60950 & EN 60529-IP53

NYCE Certified, NOM 19

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