Intermec

MobileLAN™

Product
Profile

- **802.11a wireless technology**

- **Up to 54 Mbps data rate for wire replacement and high performance applications**

- **High performance 10/100 Ethernet**

- **Power over Ethernet option**

- **Price competitive with comparable 802.11b products**

- **Incorporates the MobileLAN™ access enterprise feature set**

The MobileLAN access 2106 sets the new standard in high performance wireless networking
Based upon the award-winning Atheros chipset, and a new hardware architecture, the 2106 supports 802.11a-standard data rates up to 54Mbps, or 72 Mbps in turbo mode. For the first time, wireless technology supports data throughput rates comparable with mainstream wired LAN technology. The 802.11a based 2106 opens up a new range of applications for wireless–at a price competitive with 802.11b technology.

Enterprise-ready feature set
MobileLAN access 2106 continues to expand the rich feature set within Intermec access points. New features include 802.1x security support, with authentication and automatic WEP key rotation. The unit supports DHCP for both client and server, and NAT. This heightened functionality joins a standout feature set resident in all MobileLAN access points, including IP tunneling support, system-wide software distribution, and more.

Industry-leading Seamless IP Tunneling
This feature allows multiple subnet mobility for any IP client without the need for device-specific IP mobility software. The 2106 also provides wireless bridging support and serves as a repeater.

MobileLAN access 2106 expands the IT manager's options with power over Ethernet, which eliminates expensive wiring when power for MobileLAN access 2106 is obtained over the Ethernet LAN.

Full Manageability
Enhanced software within MobileLAN access 2106 makes installing and configuring new access points easier than ever. Administrators can configure new units and receive IP address assignments quickly and easily, over the Ethernet or radio connection, and without a special serial cable for initial configuration.

IT managers can quickly identify and solve network problems using MobileLAN manager--Intermec's network management software solution. MobileLAN manager continually listens to the status of access points and provides comprehensive status indication in real time and, whenever possible, provides an analysis of the cause for quicker problem resolution. The MobileLAN access 2106 is also fully SNMP enabled, with published MIBs for integration into other management platforms.

MobileLAN access 2106 is part of the comprehensive family of MobileLAN wireless products. Based on new OFDM technology, the 2106 is among the first in the industry to support the new high speed 5HGz standard, IEEE 802.11a.

Physical Characteristics

Length: 14.66 cm (5.77")
Height: 9.32 cm (3.67")
Width: 3.53 cm (1.39")
Weight: 232g (.51 lbs.)
Input Voltage: 3.3 VDC. Supply with external power supply. 100-240 VAC Auto ranging power supply.

Wireless LAN Characteristics

Frequency Band: 5.15-5.35 GHz frequency band
Radio Type: IEEE 802.11a OFDM
Radio Data Rate: 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps, (Turbo Mode: 72, 48, 36, 24 and 12 Mbps) – with automatic fallback for increased range.
Channels: United States (FCC) 8 channels
Compatibility: Designed to comply with IEEE 802.11a wireless LAN standard for 5 GHz radio implementations.
Transmit Power Levels:
30-40 mW <24 Mbps,
10 mW >24 Mbps

Network Information

Ethernet Interface: 10Base-T/100Base-Tx
Ethernet Data Rate: 100 Mbps
Filtering Rate: Full Ethernet Rate
Filters:
Protocol Filters: IP, IPX, TCP ports, NetBEUI, DECNET, AppleTalk.
Other Broadcast Traffic Filters: IP, ARP, Novell RIP, SAP and LSP. Adjustable bandwidth allocation.
Software Upgrades: Downloadable over the network via HTTP browser interface, network wide software distribution.

Management

Management Interfaces: SNMP using standard management platform or Intermec **Mobile**LAN™manager. Direct device managment via Telnet or HTTP.
SNMP Agent: Version 1, Enterprise MIB
SNMP Traps: Cold start, Authentication failures, Enterprise specific – Reliable "management-request" trap.
Physical Management Connections: Ethernet, wireless network.
Security: Radius, 802.1x EAP, EAP-TLS

Accessories

Mounting brackets

Power over Ethernet adapter

Environment

Operating Temperature: Standard Unit -20º to 45º C (-4º F to 113º F)
Storage Temperature: -20º to 70 ºC (-4º F to 158º F)
Humidity (Non-Condensing): 10 to 90% relative humidity, non-condensing

Pending Regulatory Approvals

FCC Part 15.247 Certified
Canada RSS 210 Certified
FCC Part 15 & ICES-003 Class A
UL Listed, C22.2 II 950
NYCE Certified, NOM 19

Disclaimer

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North America
Corporate Headquarters
6001 36th Avenue West
Everett, Washington 98203
tel: 425.348.2600
fax: 425.355.9551

Systems & Solutions
550 2nd Street S.E.
Cedar Rapids, Iowa 52401
tel: 319.369.3100
fax: 319.369.3453

Media Supplies
9290 Le Saint Drive
Fairfield, Ohio 45014
tel: 513.874.5882
fax: 513.874.8487

Europe/ Middle East & Africa
Headquarters
Sovereign House
Vastern Road
Reading, Berkshire RG1 8BT
United Kingdom
tel: +44.118.987.9400
fax: +44.118.987.9401

Asia
Hong Kong
2602 Convention Plaza
Office Tower
1 Harbor Road
Wanchai, Hong Kong
tel: 852.2574.9777
fax: 852.2574.9725

Singapore
25-16 International Plaza
10 Anson Road, 079903
tel: 65.324.8391
fax: 65.324.8393

Australia
Level 7, 200 Pacific Highway
Crows Nest NSW 2065
Australia
tel: 61.2.9901.2065
fax: 61.2.9954.6300

South America & Mexico
Latin America Headquarters
17921 B Skypark Circle
Irvine, California 92614
tel: 949.442.9393
fax: 949.757.1687

Mexico
Tamulipas 141, Primero Piso
06140 Mexico, D.F.
tel: 525.55.211.1919
fax: 525.55.211.8121

Worldwide Fax Document Retrieval Service
800.755.5505
(North America Only)
tel: 650.556.8447

Internet
www.intermec.com

Sales
800.347.2636
(toll free in N.A.)
tel: 425.348.2726

Service and Support
800.755.5505
(toll free in N.A.)
tel: 425.356.1799