



## AT-WL2411

### 802.11b Wireless Access Point

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#### Going Wireless

Whether on campus, in the boardroom, or at the corner coffee house, more and more people are cutting their copper ties to desktop modems to surf the Web wirelessly. And standing by with the wire-cutters is Allied Telesis' AT-WL2411.

The advanced security features of the AT-WL2411 wireless access point remove the barriers for access to private/public hybrid wireless networks. In locations where the public comes together, such as coffee shops, airports, and hospitals, wireless technology provides extended office or Internet access to mobile computer users. By enabling roaming mobile users to access the Internet via a common wireless network without concern for the security of their data, businesses attract more customers by offering more services.

Meanwhile on campus, schools enable network access throughout the campus—and without the expense of wiring every desk. Schools allow users to access the network anywhere—from the classroom to the quad. Custom-setups let both students and teachers access secure personal data or connect to the Internet. Normally, open areas present problems for wireless access, but with connection at 500 feet or greater, the AT-WR2411 increases the performance and reliability of wireless networks.

For the mid-sized to large office—100 to 1,000 people—Allied Telesis' AT-WR2411 series of wireless products is ideal. Market leading high-end features and security make these the ideal products for high-end markets. Workers sharing time among several different offices—or several locations within a corporate campus—will enjoy the flexibility provided by the AT-WR2411

series. The ability to add temporary users to networks or move individuals without ever losing access to the corporate network is an invaluable benefit. Occupying a home office, traveling to other sites, or sitting in the boardroom, employees can access their networks seamlessly. Advanced features such as IP tunneling and DHCP mean the connection to the network looks the same from home offices or in corporate locations. The AT-WR2411 series also makes it easy for corporate guests to access the Internet while remaining isolated from the company network.

#### AT-WL2411 802.11b Spells Wireless Access

Allied Telesis' richly-featured wireless access points form the basis of a wireless solution that combines advanced security with high-end management capabilities. The AT-WL2411 uses industry-standard IEEE 802.11b high-rate and wireless technologies to offer cable-free networking at speeds up to 11Mbps. The AT-WL2411, combined with the AT-WR2411 PC card, provides a range and sensitivity that outdistances the competition. Weighing less than 8 ounces and packaged in an attractive two-tone enclosure, the AT-WL2411 is designed for easy integration into all office environments.

Designed for easy installation and operation, the AT-WL2411 wireless access point tracks and connects roaming wireless clients without the cost and complexity of a dedicated mobile IP server or additional hubs and cabling. In fact, its fully-integrated IP Tunneling capabilities enable large wireless LANs to span across multiple subnets. Users of wireless-enabled laptops and other mobile computing devices maintain continuous, high-quality network connections while roaming throughout the enterprise.

#### Key Features

- Secure information transmission with 64-bit or 128-bit Wired Equivalent Privacy (WEP) data encryption
- Standards based 802.11b connectivity
- Transmission distances exceed 500ft.
- Light-weight compact size
- IP tunneling
- SNMP management
- Long-range antenna available
- Supports up to 256 users

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## Wireless LAN Characteristics

Designed to comply with IEEE 802.11 Direct Sequence wireless LAN standard for 2.4 GHz DSSS radio implementations  
IEEE 802.11b high-rate GHz Direct Sequence Wireless Radio

Frequency Band 2.4GHz frequency band; actual frequencies vary by country  
Radio Type IEEE 802.11b high-rate Direct Sequence Spread Spectrum (DSSS)

Radio Power Output 32mW (15dBm)  
Radio Data Range 11Mbps, 5.5Mbps, 2Mbps, 1Mbps with automatic fallback for increased range  
Channels United States (FCC) 11 channels  
Europe (ETSI) 13 channels  
Other countries per local regulations

Receiver Sensitivity The sensitivity of the receiver is at FER of 8% (BER<.00001) at the antenna port with out antenna:

Data Rate	Specification
11Mbps	-82dBm
5.5Mbps	-87dBm
2Mbps-91dBm	
1Mbps-94dBm	

Range 2Mbps: 356m (1200') open environment  
1Mbps: 425m (1400') open environment  
Limited using roaming

## Network Information

Ethernet Interface 10T  
Ethernet Data Rate 10Mbps  
Filtering Rate Full Ethernet Rate (14,880 packets/second)  
Protocol Filters IP, IPX, NetBEUI, DECNET, AppleTalk  
Broadcast Traffic Filters IP, ARP, Novell RIP, SAP, LSP, Adjustable bandwidth allocation  
Software Upgrades Downloadable over the network or serial port WPA, EAP-TLS and PEAP additional security features will be available with software release 1.9\*

\* Contact Allied Telesis for information on availability.

## Management

### Management Interfaces

SNMP, Web browser-based manager text-based menu system, serial port, or Telnet via RF, serial and Ethernet  
Version 1 RFC 1213, 1493, (IEEE 802.11 ID MIB), Enterprise MIB  
Cold start, link up, link down, authorization violation

SNMP Agents

SNMP Traps

## Physical Management Connections

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

Accessories Mounting Brackets  
Serial Console Cable

## Power Characteristics

Input Voltage 5vDC. Supply with external power supply  
100-240vAC Auto ranging power supply

## Environmental Specifications

Operating Temp. Standard Unit 0°C to 40°C (32°F to 100°F)  
Storage Temp. -20° to 65°C (-4°F to 149°F)  
Relative Humidity 10% to 90% non-condensing

## Physical Characteristics

Length 14.66cm (5.77")  
Width 3.53cm (1.39")  
Height 9.32cm (3.67")  
Weight 232g (.51lbs)

## Electrical/Mechanical 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

## Ordering Information

AT-WL2411  
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