

AP-5131 Access Point

Enterprise-class 802.11a/b/g Access Point: Combination Wired and Wireless Networking for Branch Offices and Small Businesses

WIRED/WIRELESS LAN

Cost-effective, secure, high-performance wired and wireless connectivity

Designed for small offices and retail locations, the AP-5131 delivers wired and wireless networking with enterprise class performance and security in a single device. From remote employees in branch offices to telecommuters working at home, this easy-to-deploy solution offers the flexibility to connect to the corporate private network, the Internet and more with the speed and functionality to support the most demanding applications, including real-time video and voice. The all-in-one AP-5131 delivers a new level of cost-efficiency and networking simplicity for remote workers. The need for IT expertise in smaller locations — and the need to purchase and manage multiple pieces of equipment — is eliminated through the integrated router, stateful inspection firewall, VPN, DHCP server, QoS engine, and more.

Enterprise-class security and manageability

Support for today's standards-based security protocols ensures enterprise level protection for users on wireless laptop computers and other mobile devices as well as wired desktops. And a wide variety of options provide easy to use, anytime, anywhere remote management by either local non-technical staff, or IT professionals in your Network Operations Center (NOC).

Dual-radio 802.11a/b/g architecture

The dual-radio architecture offers the flexibility to best meet wireless LAN networking and security needs through either dual-band data services, or single-band data services and full-band rogue AP detection, which identifies and reports unauthorized users. A complete suite of dual and single-band antennas provides the versatility to obtain radio coverage in nearly any environment, with a minimal number of access points.

Rugged mechanical design

Engineered for rugged durability, the AP-5131 can be utilized in nearly any location — from a retail store to a harsh industrial environment. Installation is fast, easy, and cost-efficient through support for multiple mounting options and 802.3af Power-over-Ethernet, which eliminates the need for cabling and outlets to provide power.

Robust application support

From simple to demanding real-time rich multimedia applications, the Wi-Fi Multimedia (WMM™) standard for Quality of Service ensures reliable performance. The AP-5131 gives you the power to take advantage of low cost voice via Voice-over-IP, offer customers new services via a multimedia kiosk, enable employees to use video conferencing, and more.

Symbol offers complete mobility solutions, including Enterprise Mobility Services — comprehensive support and technical expertise that enables the design, deployment and maintenance of successful mobility solutions. For more information on the AP-5131, contact Symbol at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at: www.symbol.com/AP5131.



FEATURES

WAN and LAN Ethernet ports
Integrated router, firewall and DHCP server
Dual-radio, dual-band design; 802.11a/b/g in 2.4/5 GHz bands
Triple methodology Rogue AP Detection: on-channel, mobile unit, dedicated radio dual-band scanning
Industrial-grade mechanical design, UL 2043 Plenum rating
802.11i, WPA2 and WPA; IPSec with triple-DES encryption
Wi-Fi Multimedia (WMM™) Quality of Service (QoS) and Voice Prioritization
802.3af Power-over-Ethernet
Java™ web-based graphical user interface; Symbol Mobility Services Platform (MSP); SNMP v3; command line interface (CLI)
Flexible mounting options: above or below ceiling tile, on wall and on desk
RoHS compliance

BENEFITS

All-in-one solution for wired and wireless networking
Easy to scale, upgrade and maintain
Ability to work with any standards-based IEEE WLAN
Protects network by instantly identifying and reporting unauthorized users
Deploy in nearly any location, including harsh environments
End-to-end enterprise class wired and wireless security
Superior performance for mission critical applications including voice and video
Reduces installation cost by eliminating need for cabling and outlets to provide power
Flexible management options; easy-to-use anytime, anywhere management
Install nearly anywhere, including invisible installation above ceiling tile
Meets latest EU environmental standards

AP-5131 Specifications

Physical Characteristics

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| Dimensions: | 5.32 in. L x 9.45 in. W x 1.77 in. H 135 mm L x 240 mm W x 45 mm H |
| Weight: | 1.95 lbs/0.884kg |
| Housing: | Metal, plenum-rated housing (UL2043) |
| Available Mounting Configurations: | Desk-top, above drop ceiling, under ceiling, wall |
| LEDs: | 4 top mounted LEDs, 2 bottom mounted LEDs, with multiple modes indicating 802.11a/802.11g activity, power, adoption and errors |
| Uplink: | 2 ports (WAN, LAN) Auto-sensing 10/100Base-T Ethernet |

User Environment

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| Operating Temperature: | -4°F – 122°F/-20°C to 50°C |
| Storage Temperature: | -40°F to 158°F/-40°C to 70°C |
| Operating Humidity: | 5 to 95% RH non-condensing |
| Operating Altitude: | 8000 ft./2438m @ 82°F/28°C |
| Storage Altitude: | 15000 ft./4572m @ 53°F/12°C |
| Electrostatic Discharge: | 15kV air, 8kV contact |

Power Specifications

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| Operating Voltage: | 48V DC |
| Operating Current: | 200mA |
| Integrated PoE Support: | 802.3af on LAN Port |

Radio Specifications

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| Wireless Medium: | Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM) |
| Network Standards: | 802.11a, 802.11b, 802.11g, 802.3 |
| Data Rates Supported: | 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps |
| Operating Channels: | Chan 8-169 (5040 – 5845 MHz) (4920 – 4980 MHz) Japan only Chan 1-13 (2412-2472 MHz) Chan 14 (2484 MHz) Japan only Actual operating frequencies depend on regulatory rules and certification agency |

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| Operating Bands: | FCC | EU |
| | 2.412 to 2.462 GHz 5.150 to 5.250 (UNII -1) 5.250 to 5.350 (UNII -2) 5.725 to 5.825 (UNII -3) 5.725 to 5.850 (ISM) | 2.412 to 2.472 GHz 5.150 to 5.250 GHz 5.150 to 5.350 GHz 5.470 to 5.725 GHz (Country Specific) |
| | Japan | |
| | 2.412 to 2.484GHz 4.900 to 5.000 GHz 5.150 to 5.250 GHz | |

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| Receiver Sensitivity: | Radio .11a (dBm) 10% PER for 1000 bytes <i>IEEE 802.11a sect</i> <i>17.3.10.1 (MIN) &</i> <i>17.3.10.4 (MAX)</i> | 6 Mbps -91 9 Mbps -89 12 Mbps -87 18 Mbps -83 24 Mbps -81 36 Mbps -78 48 Mbps -74 54 Mbps -73 |
| | Radio .11g (dBm) 10% PER for 1000 Octets <i>IEEE 802.11g sect</i> <i>19.5.1 (MIN) &</i> <i>19.5.3 (MAX)</i> | 6 Mbps -89 9 Mbps -88 12 Mbps -85 18 Mbps -82 24 Mbps -80 36 Mbps -77 48 Mbps -72 54 Mbps -70 |
| | Radio .11b (dBm) 8% PER for 1,024 Octets | 1 Mbps -94 2 Mbps -90 5.5 Mbps -88 11 Mbps -84 |

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| Available Transmit Power Settings: | 4-20 dBm |
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Regulatory

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| Standards Compliance: | Wi-Fi: 802.11a/b/g, WPA2, WMM |
| Product Safety Certifications: | UL / cUL 60950-1, IEC / EN60950-1, UL2043, TUV GS |
| Radio Approvals: | FCC (USA), Industry Canada, CE (Europe), TELEC (Japan) |

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at www.symbol.com



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