Avaya™ Wireless Access Point 5 (AP-5)

Cost Effective Single-Radio 802.11a Enterprise-Class Wireless Access Point

The Avaya™ AP-5 is a new 802.11a single-radio Access Point with enterprise features and performance. The Avaya AP-5 uses the 802.11a Wireless LAN standard, providing enterprises with greater scalability and significantly higher speeds, up to 54 Mbps and beyond. The Avaya AP-5 is part of the Avaya Converged Mobility Solution. It is easy to install and simple to manage, providing maximum security and flexibility to mobile users and network managers.

Robust Security

The Avaya AP-5 supports highly secure 802.1x-based WLAN security with auto key management, using an efficient encryption key rotation scheme. 802.1x Per User Dynamic Encryption Keys provide per user unicast encryption keys dynamically generated for each 802.11a wireless client running in 802.1x security mode.

The AP-5 also offers RADIUS-based authentication and the security features required for Enterprise class solutions. In addition, the AP-5 continues to offer WEP encryption, either 64,128, or 152 bit.

Ease and Reduced Cost of Deployment

The Avaya AP-5 supports the 802.3af Power-over-Ethernet standard, which reduces installation costs by obtaining power through a category 5 Ethernet cable. Auto channel, by monitoring the existing channels in use in your vicinity, eases deployment by selecting the appropriate available channel to avoid channel interference.

Easy Management

The Avaya AP-5 offers a broad set of management options through a Web browser, Command Line Interface (CLI) and SNMP. For example, you can manage the AP-5 from your desktop using the web interface, through the CLI via direct connect or Telnet, or through the Avaya™ Integrated Management Suite or any other standard SNMP network management tool.

Mounting Options

The Avaya AP-5 provides flexible mounting options (wall, ceiling, and table stand) and is plenum rated for compliance in demanding environments such as Healthcare environments.

High Performance

The Avaya AP-5 utilizes a proven, second generation 802.11a chip set offering high processing power, increasing performance and which is ready to support future enhancements. The AP-5 features a turbo mode achieving twice the 802.11a data rates at speeds up to 108 Mbps. This is accomplished by using two radio channels for twice the bandwidth. (Turbo is not supported in some regulatory domains, for example, ETSI, Japan).

Future Ready

Highly scalable and equipped with advanced processing power to support additional features in the future, the Avaya AP-5 offers protection of your investment. It provides a straightforward, cost-effective migration path to the 802.11i security standard and increased security with support using WiFi Protected Access (WPA) via an upgrade.

Additional Features

- 802.1d bridge
- 802.1x support (auto key management, user-based authentication)
- EAP-TLS, EAP-MD5, EAP-TTLS, EAP-SIM, EAP-PEAP
- Auto key rotation
- Access control table and RADIUS Access Control implementation
- SNMPv2c
- Extended MIBs and traps
- MIB-II, bridge MIB, Etherlike MIB
- Telnet/CLI
- TFTP kernel and configuration upload
- HTTP server for web-based management
- Support for Avaya Integrated Management Suite
- Link Integrity
- Static MAC filtering
- Spanning tree protocol
- Protocol filtering
- Multicast/broadcast storm filtering
- DHCP support (client and server)
- ICMP (ping)
- Automatic Channel Selection
- Blocking of intra-cell traffic
- Packet forwarding to specified MAC address
- RADIUS accounting start/stop
- RADIUS session time out
- RADIUS authentication attributes (per RFC 2865)
- Syslog
- 802.1x per-user-per-session encryption
- 802.11a 2X mode (when allowed in region)
- 802.11a support for Europe (DFS)

Hardware Specification

Processor	Motorola 8241 – 166MHz
Memory	16 MB SDRAM; 8 MB Flash

Mechanical Specification

- Metal enclosure
- Mechanical lock
- Plastic cover
- Reset/reload switch
- Mounting options include table, wall or plenum
- 4 tri-color indicator LEDs (power, Ethernet link, Ethernet activity, wireless activity)

Interface

Ethernet Interface	10/100 BASE-T Ethernet (RJ-45)
Wireless Interface	1 internal mPCI slot for radio NIC
RS-232	9 pin D-Shell female (unit configuration)

Physical Specifications

Dimensions unit (H x W x L)	215 mm x 175 mm x 40 mm (8.46 in. x 6.89 in. x 1.57 in.)
Weight (w/o mounting option)	0.68 kg (1.5 lb.)

Environmental Specifications

Operating	°C - 55°C; max 95% rel. humidity (non-condensing) 740 – 1050 hPa barometric pressure
Storage	-20°C - 75°C max 95% rel. humidity (non-condensing)

Power Supply

- Wall unit
- Auto-sensing 100/240 VAC; 50/60 Hz
- Output 12V DC 1.5A
- Active Ethernet (PoE) (802.3af)

Radio

Embedded mPCI module	802.11a
Antenna	Embedded omni directional antenna set

Compliance

US	FCC, UL
Canada	Industry Canada
Europe	ETS
Japan	VCCI, Telec, JATE

Plenum rated (UL 2043) without plastic cover

For additional information on our Avaya Wireless LAN solutions, please contact your Avaya Client Executive, Authorized BusinessPartner, or visit us at avaya.com/learnmore/ip. For more information about Avaya and our other award-winning solutions, visit avaya.com.

About Avaya

Avaya enables businesses to achieve superior results by designing, building and managing their communications networks. More than one million businesses worldwide, including 90 percent of the FORTUNE 500®, rely on Avaya solutions and services to enhance value, improve productivity and gain competitive advantage.

Focused on enterprises large to small, Avaya is a world leader in secure and reliable IP telephony systems, communications software applications and full life-cycle services. Driving the convergence of voice and data communications with business applications – and distinguished by comprehensive worldwide services – Avaya helps customers leverage existing and new networks to unlock value and enhance business performance.

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