



APPENDIX **C**

Access Point Specifications

Table C-1 lists the technical specifications for the Cisco Aironet 1000 Series Lightweight Access Point.

Table C-1 Access Point Specifications

Category	Specifications		
	802.11b	802.11g	802.11a
Size	5.7 in. W x 1.6 in. D x 9.6 in. H 24.4 cm W x 4.1 cm D x 24.4 cm H		
Indicators	Four indicators on the top of the unit: Power, Alarm, 2.4 GHz, 5 GHz.		
Connectors	Right side: 5-GHz RP-TNC antenna connector, 2.4-GHz RP-TNC antenna connector Left side: 2.4-GHz RP-TNC antenna connector, power connector (for 48VDC AC power module), RJ-45 connector for 10BASE-T or 100BASE-T Ethernet connections.		
Input voltage	48 VDC (nominal)		
Input power	12 W		
Operating temperature	32 to 104°F (0 to 40°C)		
Storage temperature	-13 to 158°F (-25 to 70°C)		
Humidity	10 to 90% non-condensing		
Weight	With ceiling-mount clips: 1.3 lbs (0.6 kg) With optional wall brackets: 2.2 lbs (1 kg)		
Modulation	Complementary Code Keying (CCK)	Orthogonal Frequency Division Multiplex (OFDM)	
Subcarrier modulation	BPSK (1 Mbps) QPSK (2 Mbps) CCK (5.5 and 11 Mbps)	BPSK (6 and 9 Mbps) QPSK (12 and 18 Mbps) 16-QAM (24 and 36 Mbps) 64-QAM (48 and 54 Mbps)	BPSK (6 Mbps and 9 Mbps) QPSK (12 Mbps and 18 Mbps) 16-QAM (24 and 36 Mbps) 64-QAM (48 and 54 Mbps)

Table C-1 Access Point Specifications (continued)

Category	Specifications		
	802.11b	802.11g	802.11a
Power output settings	CCK	OFDM	OFDM
	100, 50, 12.5, and 6.25 percent settings on the controller		
	100 mW (20 dBm) conducted	50 mW (17 dBm) conducted	
	Maximum output power depends on the regulatory domain in which the access point is installed		
Antenna	AIR-AP1010		
	<ul style="list-style-type: none"> Two integrated 6 dBi patch antennas (2.4 and 5 GHz) 		
Antenna	AIR-AP1020 and AIR-AP1030		
	<ul style="list-style-type: none"> Two integrated 6 dBi patch antennas (2.4 and 5 GHz) Three external antenna connectors 		
Frequency	2.400 to 2.497 GHz (Depending on the regulatory domain in which the access point is installed)	5.15 to 5.25 GHz 5.25 to 5.35 GHz 5.475 to 5.725 GHz 5.725 to 5.85 GHz (Depending on the regulatory domain in which the access point is installed)	
Data rates	1, 2, 5.5, and 11 Mbps	6, 9, 12, 18, 24, 36, 48, and 54 Mbps	
Typical indoor range (across open office environment)	160 ft (49 m) @ 11 Mbps 410 ft (125 m) @ 1 Mbps	90 ft (27 m) @ 54 Mbps 180 ft (100 m) @ 18 Mbps 300 ft (91 m) @ 6 Mbps	45 ft (14 m) @ 54 Mbps 110 ft (34 m) @ 18 Mbps 165 ft (50 m) @ 6 Mbps
Compliance	The 1000 series access point complies with UL 2043 for products installed in a building's environmental air handling spaces, such as above suspended ceilings.		
	 Caution The power injector and power module have not been tested to UL 2043 and they should not be placed in a building's environmental air space, such as above suspended ceilings.		
Safety	Designed to meet: <ul style="list-style-type: none"> IEC 60950-1 UL 60950-1 CSA 60950-1 EN 60950-1 UL 2043 		
Radio Approvals	FCC Parts 15.247 Canada RSS-210 Japan ARIB-STD-33A Japan ARIB-STD-66 Europe EN-300.328	FCC Part 15.407 Canada RSS-210 Japan ARIB STD-T71 EN 301.893	

Table C-1 Access Point Specifications (continued)

Category	Specifications		
	802.11b	802.11g	802.11a
EMI and Susceptibility	FCC Part 15.107 and 15.109 ICES-003 (Canada) EN 55022 EN 60601-1-2:2001 VCCI EN 301.489-1 EN 301.489-17 EN 55022 EN 55024		
RF Exposure	OET-65C RSS-102 ANSI C95.1		

