



APPENDIX C

Access Point Specifications

Table C-1 lists the technical specifications for the 1130AG series access point.


Table C-1 Access Point Specifications

Category	802.11g Radio Specifications		802.11a Radio Specifications
	802.11b Operation	802.11g Operation	
Size	7.53 in. W x 7.53 in. D x 1.31 in. H 19.13 cm W x 19.13 cm D x 3.33 cm H		
Indicators	Tri-color Status LED indicator on the top panel and two bi-color LED indicators (radio and Ethernet) in the cable bay		
Connectors	Cable bay (left to right) Power connector (for plug-in AC power module); RJ-45 connector for 10BASE-T or 100BASE-T Ethernet connections; upside down RJ-45 connector for serial connections.		
Input Voltage	48 VDC (nominal)		
Input Power	12.95 W (typical)		
Operating Temperature	Base unit: 32 to 104°F (0 to 40°C) 1130AG series power module: 32 to 104°F (0 to 40°C)		
Weight	Without mounting hardware: 1.48 lbs (0.67 kg)		

Table C-1 Access Point Specifications (continued)

Category	802.11g Radio Specifications		802.11a Radio Specifications
	802.11b Operation	802.11g Operation	
Power Output	100 mW (20 dBm) 50 mW (17 dBm) 25 mW (14 dBm) 10 mW (11 dBm) 5 mW (8 dBm) 3 mW (5 dBm) 2 mW (2 dBm) 1 mW (-1 dBm) (Depending on the regulatory domain in which the access point is installed)	50 mW (17 dBm) 25 mW (14 dBm) 10 mW (11 dBm) 5 mW (8 dBm) 3 mW (5 dBm) 2 mW (2 dBm) 1 mW (-1 dBm) (Depending on the regulatory domain in which the access point is installed)	Autonomous access points 50 mW (17 dBm) 30 mW (15 dBm) 25 mW (14 dBm) 10 mW (11 dBm) 5 mW (8 dBm) 3 mW (5 dBm) 2 mW (2 dBm) 1 mW (-1 dBm) Lightweight access points 50 mW (17 dBm) 25 mW (14 dBm) 10 mW (11 dBm) 5 mW (8 dBm) 3 mW (5 dBm) 2 mW (2 dBm) 1 mW (-1 dBm) (Depending on the regulatory domain in which the access point is installed)
Antenna	A diversity system with two integrated 3-dBi antennas.		A diversity system with two integrated 4.5-dBi antennas.
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 5.725 to 5.85 GHz (Depending on the regulatory domain in which the access point is installed)
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)
Data rates	1, 2, 5.5, and 11 Mbps	6, 9, 12, 18, 24, 36, 48, and 54 Mbps	
Typical indoor range	450 ft at 1 Mbps 360 ft at 11 Mbps	400 ft at 6 Mbps 100 ft at 54 Mbps	325 ft at 6 Mbps 80 ft at 54 Mbps

Table C-1 Access Point Specifications (continued)

Category	802.11g Radio Specifications		802.11a Radio Specifications
	802.11b Operation	802.11g Operation	
Compliance	The 1130AG series access point complies with UL 2043 for products installed in a building's environmental air handling spaces, such as above suspended ceilings.		
	 Caution Only the fiber-optic power injector (AIR-PWRINJ-FIB) has been tested to UL 2043 for operation in a building's environmental air space; no other power injectors or power modules have 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 60950-1 CAN/CSA C22.2 No. 60950-1 UL 2043 EN 60950-1 IEC 60950-1		
Radio Approvals	FCC Parts 15.247 Canada RSS-210 Japan ARIB-STD-33B Japan ARIB-STD-66 Europe EN-300.328		FCC Part 15.407 Canada RSS-210 Japan ARIB STD-T71 EN 301.893
EMI and Susceptibility	FCC Part 15.107 and 15.109 Class B ICES-003 Class B (Canada) EN 55022 B EN 60601-1-2:2001 AS/NZS 3548 Class B VCCI Class B EN 301.489-1 EN 301.489-17		
RF Exposure	OET-65C RSS-102 ANSI C95.1		

