Access Point Specifications

Table C-1 lists the technical specifications for the Cisco Aironet 1500 Series Lightweight Outdoor Mesh Access Point.

Table C-1 Access Point Specifications

	Specifications		
Category	**802.11b**	**802.11g**	**802.11a (LAP1510 model)**
Size	15.0 in x 7.3 in x 5.7 in. (38.1 cm x 18.5 cm x 14.5 cm) (includes antenna mount bracket)		
Connectors	Ethernet (POE) connector—12 pin circular Mil spec (MS3112P14-12P) AC power connector—5 pin circular Mil spec (MS3112P14-5P) 2.4-GHz Type N antenna connector 5-GHz Type N antenna connector—(LAP1510 model)		
Input voltage	100- to 240- VAC, 50/60 Hz (nominal) 48 VDC (nominal)		
Input power	DC inline PoE power 28.5 W at 48 VDC (nominal) AC power 57.8 W at 120 VAC (nominal) 70.3 W at 240 VAC (nominal)		
Operating temperature	Access point –40 to 131°F (–40 to 55°C) Power injector 30 to 140°F (0 to 60°C)		
Storage temperature	Access point –58 to 185°F (–50 to 85°C) Power injector -76 to 158°F (-60 to 70°C)		
Weight	10 lbs. (4.55 kg)		
Modulation	Complementary Code Keying (CCK)	Orthogonal Frequency Division Multiplex (OFDM)	

Table C-1 Access Point Specifications (continued)

Category	Specifications		
	802.11b	**802.11g**	**802.11a (LAP1510 model)**
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)
Power output	**CCK**	**OFDM**	**OFDM**
	24 dBm conducted		26 dBm conducted
	Maximum output depends on the regulatory domain in which the access point is installed. For additional information, refer to the Channels and Power Levels section.		
Frequency	2.400 to 2.484 GHz		4.940 to 4.990 GHz [1] 5.470 to 5.725 GHz 5.725 to 5.85 GHz
	Frequency depends on the regulatory domain in which the access point is installed. For additional information, refer to the Channels and Power Levels section.		
Data rates	1, 2, 5.5, and 11 Mbps	6, 9, 12, 18, 24, 36, 48, and 54 Mbps	
Environmental ratings	NEMA Type 4X, IP66		
Maximum elevation	6561 ft (2000 m)		
Wind resistance	Up to 165 MPH		
Immunity	Less than or equal to 5 mJ for 6kV/3kA @ 8/20 ms waveform ANSI/IEEE C62.41 EN61000-4-5 Level 4 AC Surge Immunity EN61000-4-4 Level 4 Electrical Fast Transient Burst Immunity EN61000-4-3 Level 4 EMC Field Immunity EN61000-4-2 Level 4 ESD Immunity		
Safety	Designed to meet: AS/NZS 60950.1 IEC 60950-1 UL 60950-1 CSA 60950-1 EN 60950-1 IEC60664-1 Overvoltage category IV (for streetlight installations)		
Radio approvals	FCC Parts 15.247, 90.210 FCC Bulletin OET-65C Canada RSS-210 and RSS-102 AS/NZS 4268.2003		
EMI and Susceptibility	FCC Part 15.107 and 15.109 ICES-003 (Canada) EN 55022 EN 55022		

1. The use of the 4.9-GHz band requires a license and may be used only by qualified Public Safety operators as defined in section 90.20 of the FCC rules.