Cisco Aironet 1540 Series Outdoor Access Points



Cisco[®] Aironet[®] 1540 Series outdoor access points offer the latest 802.11ac Wave 2 functions in a rugged, ultra-low-profile housing that service providers and enterprises can deploy easily.

The Cisco Aironet 1540 Series is ideal for applications requiring rugged outdoor Wi-Fi coverage and supports the latest 802.11ac Wave 2 radio standard. Housed in a compact, aesthetically pleasing, easy-to-deploy package, the 1540 Series offers flexible deployment options for service providers and enterprise networks that need the fastest links possible for mobile outdoor clients (smartphones, tablets, and laptops) and wireless backhaul. The 1540 Series access points give network operators the flexibility to balance their desired wireless coverage with their need for easy deployment.

Whether deployed as a traditional access point or a wireless mesh access point, the 1540 Series provides the throughput capacity needed for today's bandwidth-hungry devices.

Features and Benefits

By adhering to the 802.11ac Wave 2 standard, the 1540 Series provides a data rate of up to 867 Mbps on the 5-GHz radio. This exceeds the data rates offered by access points that support the 802.11n standard. It also enables a total aggregate dual-radio data rate of up to 1 Gbps. This provides the necessary foundation for enterprise and service provider networks to stay ahead of the performance expectations and needs of their wireless users.

In recent years corporate users have increasingly preferred wireless access as the form of network connectivity due to its convenience. With this shift, there is an expectation that wireless should not slow down users' day-to-day work, but should enable a high-performance experience. The 1540 Series delivers this performance with highly secure and reliable wireless connections for mobile end users.

Table 1 lists the features and benefits of the 1540 Series.

Table 1. Features and Benefits of Cisco Aironet 1540 Series

Feature	Benefit
Compact size	Enables deployment of the access point where it's needed. The 1540 Series easily mounts to walls or light poles without disturbing the aesthetics of the area.
802.11ac Wave 2 radio	Provides up to 867-Mbps data rates with 2 x 2 multiuser multiple-input, multiple-output (MU-MIMO) with up to two spatial streams.
Multiuser MIMO (MU-MIMO)	Allows transmission of data to multiple 802.11ac Wave 2-capable clients simultaneously to improve client experience. Prior to the 802.11ac Wave 2 standard, access points could transmit data to only one client at a time, typically referred to as single-user MIMO.
Flexible deployment modes	Allows for deployment in a variety of ways, including as traditional access points and in mesh networks. The access points can also be deployed with the Cisco Mobility Express Solution. This deployment is ideal for small to medium-sized networks that that require 50 or fewer access points without a physical controller. All deployment modes are easy to set up and configure.

The Cisco Aironet 1540 Series offers the following features:

- Compact, lightweight size: At just over 2.5 pounds (1 kg) and with a small footprint, the 1540 Series is one of the smallest outdoor access points with internal antennas.
- Low power consumption: Achieves full operation on standard 802.3af power (13W).
- Integrated antenna options: The 1540 Series offers two models with different antenna patterns to address a variety of use cases.

Product Specifications

Table 2 lists the specifications of the 1540 Series access points.

Table 2. Specifications	Table 2.	Specifications
-------------------------	----------	----------------

Item	Specifications	5				
802.11ac Wave 1 and 2 capabilities	 1542I/D: 2 x 2 MIMO with two spatial streams Multiuser and single-user MIMO Maximal ratio combining (MRC) 802.11ac beamforming (transmit beamforming) 20-, 40-, and 80-MHz channels PHY data rates up to 867 Mbps (80 MHz in 5 GHz) Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx) 802.11 dynamic frequency selection (DFS) Cyclic-shift-diversity (CSD) support 					
802.11n (and related) capabilities	 1542I/D: 2 x 2 MIMO with two spatial streams MRC 20- and 40-MHz channels (40 MHz in 5 GHz) PHY data rates up to 300 Mbps Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx) 802.11 DFS CSD support 					
Data rates supported	802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps 802.11b/g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps					
	MCS Index	802.11n data rates on 2.4 and 5 GHz: MCS Index GI = 800 ns GI = 400 ns				
	WCG IIIdex					
		20-MHz Rates (Mbps)	40-MHz Rates (Mbps)	20-MHz Rates (Mbps)	40-MHz Rates (Mbps)	
	0	6.5	13.5	7.2	15	

Item	Specifications							
	1	13		27		14.4		30
	2	19.5		40.5		21.7		45
	3	26		54		28.9		60
	4	39		81		43.3		90
	5	52		108		57.8		120
	6	58.5		121.5		65		135
	7	65		135		72.2		150
	8	13		27		14.4		30
	9	26		54		28.9		60
	10	39		81		43.3		90
	11	58.5		108		57.8		120
	12	78		162		86.7		180
	13	104		216		115.6		240
	14	117		243		130		270
	15	130		270		144.4		300
	802.11ac Data F	Rates (5	GHz)					
	Spatial MCS Streams		GI = 800	ns		GI = 400 ns		
			20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz
	1	0	6.5	13.5	29.3	7.2	15	32.5
	1	1	13	27	58.5	14.4	30	65
	1	2	19.5	40.5	87.8	21.7	45	97.5
	1	3	26	54	117	28.9	60	130
	1	4	39	81	175.5	43.3	90	195
	1	5	52	108	234	57.8	120	260
	1	6	58.5	121.5	263.3	65	135	292.5
	1	7	65	135	292.5	72.2	150	325
	1	8	78	162	351	86.7	180	390
	1	9	-	180	390	-	200	433.3
	2	0	13	27	58.5	14.4	30	65
	2	1	26	54	117	28.9	60	130
	2	2	39	81	175.5	43.3	90	195
	2	3	52	108	234	57.8	120	260
	2	4	78	162	351	86.7	180	390
	2	5	104	216	468	115.6	240	520
	2	6	117	243	526.5	130	270	585
	2	7	130	270	585	144.4	300	650
	2	8	156	324	702	173.3	360	780
	2	9	-	360	780	-	400	866.7
Frequency band and 20- MHz operating channels (regulatory domains)	A: 2.412 to 2.462 GI 5.280 to 5.320 GI 5.500 to 5.580 GI	Hz, 3 cha	annels					
	5.660 to 5.700 G							

Item	Specifications
	5.745 to 5.825 GHz, 5 channels
	B:
	2.412 to 2.462 GHz, 11 channels
	5.180 to 5.240 GHz, 4 channels
	5.260 to 5.320 GHz, 4 channels
	5.500 to 5.720 GHz, 12 channels
	5.745 to 5.825 GHz, 5 channels
	C:
	2.412 to 2.472 GHz, 13 channels
	5.745 to 5.825 GHz, 5 channels
	D:
	2.412 to 2.462 GHz, 11 channels
	5.745 to 5.865 GHz, 7 channels
	E:
	2.412 to 2.472 GHz, 13 channels
	5.500 to 5.580 GHz, 5 channels
	5.660 to 5.700 GHz, 3 channels
	F:
	 2.412 to 2.472 GHz, 13 channels
	5.745 to 5.805 GHz, 4 channels
	G:
	2.412 to 2.472 GHz, 13 channels
	5.745 to 5.825 GHz, 5 channels
	2.412 to 2.472 GHz, 13 channels
	5.745 to 5.825 GHz, 5 channels
	2.412 to 2.472 GHz, 13 channels
	K:
	2.412 to 2.462 GHz, 11 channels
	5.280 to 5.320 GHz, 3 channels
	5.500 to 5.620 GHz, 7 channels
	5.745 to 5.805 GHz, 4 channels
	L:
	2.412 to 2.472 GHz, 13 channels
	5.500 to 5.620 GHz, 7 channels
	5.745 to 5.865 GHz, 7 channels
	M:
	2.412 to 2.472 GHz, 13 channels
	5.500 to 5.580 GHz, 5 channels
	5.660 to 5.700 GHz, 3 channels
	5.745 to 5.805 GHz, 4 channels
	-N:
	2.412 to 2.462 GHz, 11 channels
	5.745 to 5.825 GHz, 5 channels
	-Q:
	2.412 to 2.472 GHz, 13 channels
	5.500 to 5.700 GHz, 11 channels
	-R:
	2.412 to 2.472 GHz, 13 channels
	5.260 to 5.320 GHz, 4 channels
	5.660 to 5.700 GHz, 3 channels
	5.745 to 5.825 GHz, 5 channels
	-S:
	2.412 to 2.472 GHz, 13 channels
	5.500 to 5.700 GHz, 11 channels

Item	Specifications								
	5.745 to 5.825 GHz, 5 channels								
	-T:								
	2.412 to 2.462 G	Hz, 11 channels							
	5.500 to 5.580 G	5.500 to 5.580 GHz, 5 channels							
	5.660 to 5.700 GHz, 3 channels								
	5.745 to 5.825 GHz, 5 channels -Z:								
	2.412 to 2.462 G	Hz. 11 channels							
	5.500 to 5.580 G								
	5.660 to 5.700 G	Hz, 3 channels							
	5.745 to 5.825 G	Hz, 5 channels							
Note: Customers are res country, please visit https	ponsible for verifying	g approval for use i o/aironet/compliance	n their indivi <u>ce</u> .	dual countries	. To verify approval the	at corresponds to a particular			
Maximum number of	2.4 GHz	· · · · · · · · · · · · · · · · · · ·			5 GHz				
nonoverlapping	• 802.11b/g:				• 802.11a:				
channels	∘ 20 MHz: 3				• 20 MHz: 27				
	• 802.11n:				• 802.11n:				
	° 20 MHz: 3				° 20 MHz: 27				
					 40 MHz: 13 				
					• 802.11ac:				
					• 20 MHz: 27				
					• 40 MHz: 13				
					• 80 MHz: 6				
Note: This number varies						regulatory domain.			
Receive sensitivity	Transmit Power and Receive Sensitivity (1542I & 1542D)								
			2.4 G	Hz Radio	5 GHz Radio				
		Spatial Streams	Total TX Power (dBm)	RX Sensitivity (dBm)	Total TX Power (dBm)	RX Sensitivity (dBm)			
	802.11/11b		Power	Sensitivity		RX Sensitivity (dBm)			
			Power	Sensitivity		RX Sensitivity (dBm)			
	1 Mbps	Streams	Power (dBm)	Sensitivity (dBm)	(dBm)				
	1 Mbps 11 Mbps	Streams	Power (dBm) 27	Sensitivity (dBm) -100	(dBm)	NA			
	1 Mbps 11 Mbps 802.11a/g	Streams	Power (dBm) 27	Sensitivity (dBm) -100	(dBm)	NA			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps	Streams 1 1 1 1	Power (dBm) 27 27 27 27	Sensitivity (dBm) -100 -92 -95	(dBm) NA NA 25	NA NA -93			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89	(dBm) NA NA 25 25	NA NA -93 -87			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps	Streams 1 1 1 1	Power (dBm) 27 27 27 27	Sensitivity (dBm) -100 -92 -95	(dBm) NA NA 25	NA NA -93			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 27 25	Sensitivity (dBm) -100 -92 -95 -89 -79	(dBm) NA NA 25 25 25 24	NA NA -93 -87 -77			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 25 25 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95	(dBm) NA NA 25 25 24 25	NA NA -93 -87 -77			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 27 25 25 27 27 27	Sensitivity (dBm) -100 -92 -92 -95 -89 -79 -95 -84	(dBm) NA NA 25 25 25 24 25 25 25	NA NA -93 -87 -77 -77			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 25 25 27 27 27 25	Sensitivity (dBm) -100 -92 -95 -89 -79 -95 -84 -76	(dBm) NA NA 25 25 25 24 25 25 25 25 25 23	NA NA -93 -87 -77 -92 -82 -74			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 25 27	Sensitivity (dBm) -100 -92 -95 -95 -89 -79 -95 -84 -95 -84 -76 -94	(dBm) NA NA 25 25 24 24 25 25 25 23 23 25	NA NA -93 -87 -77 -77 -92 -82 -74 -91			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8 MCS12	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 24 25 25 23 25 23 25 25 25	NA NA NA -93 -87 -77 -77 -92 -82 -74 -91 -80			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8 MCS12 MCS15	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 25 27	Sensitivity (dBm) -100 -92 -95 -95 -89 -79 -95 -84 -95 -84 -76 -94	(dBm) NA NA 25 25 24 24 25 25 25 23 23 25	NA NA -93 -87 -77 -77 -92 -82 -74 -91			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8 MCS12 MCS15 802.11n HT40	Streams 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 25 25 23 25 25 25 25 25 23	NA NA -93 -87 -77 -77 -77 -82 -82 -74 -91 -80 -72			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS4 MCS12 MCS15 802.11n HT40 MCS0	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 25 25 23 25 23 25 23 25 23 25 23	NA NA -93 -87 -77 -77 -92 -82 -74 -91 -80 -72 -90			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8 MCS12 MCS15 802.11n HT40 MCS0	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 25 23 25 23 25 23 25 23 25 23 25 23 25 23	NA NA NA -93 -87 -77 -77 -92 -82 -74 -91 -80 -72 -72 -79 -79			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS12 MCS15 802.11n HT40 MCS0 MCS0 MCS4	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 25 23 25 23 25 23 25 23 25 23 25 23 25 23	NA NA NA -93 -87 -77 -77 -92 -82 -74 -91 -80 -72 -80 -72 -90 -79 -72			
	1 Mbps 11 Mbps 802.11a/g 6 Mbps 24 Mbps 54 Mbps 802.11n HT20 MCS0 MCS4 MCS7 MCS8 MCS12 MCS15 802.11n HT40 MCS0	Streams 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	Power (dBm) 27 27 27 27 25 27 27 27 25 27 25 27 27 27 27 27	Sensitivity (dBm) -100 -92 -95 -89 -89 -79 -95 -84 -76 -94 -94 -82	(dBm) NA NA 25 25 25 24 25 23 25 23 25 23 25 23 25 23 25 23 25 23	NA NA -93 -93 -87 -77 -77 -92 -82 -74 -91 -80 -72 -72 -79 -79			

Item	Specifications					
	MCS15	2			23	-70
	802.11ac VHT20					·
	MCS0	1			25	-92
	MCS4	1			24	-82
	MCS7	1			21	-74
	MCS8	1			20	-70
	MCS0	2			25	-91
	MCS4	2			24	-80
	MCS7	2			21	-72
	MCS8	2			20	-68
	802.11ac VHT40					
	MCS0	1			25	-90
	MCS4	1			23	-79
	MCS7	1			20	-72
	MCS8	1			19	-68
	MCS9	1			19	-66
	MCS0	2			25	-89
	MCS4	2			23	-77
	MCS7	2			20	-70
	MCS8	2			19	-66
	MCS9	2			19	-64
	802.11ac VHT80					
	MCS0	1			25	-87
	MCS4	1			23	-76
	MCS7	1			21	-69
	MCS8	1			19	-64
	MCS9	1			19	-62
	MCS0	2			25	-86
	MCS4	2			23	-74
	MCS7	2			21	-67
	MCS8	2			19	-62
	MCS9	2			19	-60
Note: The maximum pov documentation for specif		v by channel and a	ccording to	individual cou	untry regulations. Ref	er to the product
Maximum conducted	15421			1542D		
transmit power	• 2.4 GHz: 27 dBm with 2 antennas • 5 GHz: 25 dBm with 2 antennas • 5 GHz: 25 dBm with 2 antennas					
Note: The maximum power specific details.	er setting will vary b	y channel and acco	ording to ind	vidual country	regulations. Refer to	the product documentation f or
Interfaces	• WAN port 10/	100/1000BASE-T E	thernet, aut	osensing (RJ-4	45), PoE in	
	-	console port (RJ-45	5)			
11.0.1	Multicolor LEE					
Uplink options	Ethernet and wire					
Dimensions (L x W x H)	1542I/D: 7.9 x 5.9	x 2.4 in.(20 x 15 x	6.1 cm)			

Item	Specifications
Weight	1542I/D: 2.75 lb (1.25 kg)
Environmental	Operating temperature: -40° to 65°C (-40° to 149°F) ambient air with no solar loading -40° to 55°C (-40° to 131°F) ambient air with solar loading Storage temperature: -40° to 85°C (-40° to 185°F) Operating humidity: 5 to 95% Wind resistance: Up to 100-mph sustained winds Up to 165-mph wind gusts
Environmental ratings	IEC 60529 IP67 Icing protection NEMA 250-2008 Corrosion NEMA 250-2008 (600 hours) Solar radiation EN 60068-2-5 (1200 W/m2) Vibration MIL-STD-810 15421: Integrated dual-band semi-omnidirectional antenna radome, vertically polarized, 5 dBi (2.4 GHz), 5 dBi (5
	GHz) • 1542D: Integrated dual-band directional antenna radome, vertically polarized 8 dBi (2.4 GHz), 9 dBi (5 GHz)
Powering options	 802.3af, 802.3at Cisco power injectors: AIR-PWRINJ-60RGD1= (outdoor rated, 60W, with NEMA 5-15 AC plug) AIR-PWRINJ-60RGD2= (outdoor rated, 60W, unterminated AC cable) AIR-PWRINJ5= (indoor, 802.3af) AIR-PWRINJ6= (indoor, 802.3at)
Power consumption	1542I/D 13W
Compliance	Safety • UL60950, 2 nd Edition • CAN/CSA-C22.2 No. 60950, 2 nd Edition • IEC 60950, 2 nd Edition • EN 60950, 2 nd Edition Immunity • <= 5 mJ f or 6kV/3kA @ 8/20 ms waveform
	 EN 300 328 EN 301 893 EMI and Susceptibility
	 FCC part 15.107, 15.109 ICES-003 EN 301 489-1, -17 Security
	Wireless bridging/mesh

ltem	Specifications
	X.509 digital certificates
	MAC address authentication
	Advanced Encryption Standard (AES)
	Wireless Access
	 802.11i, Wi-Fi Protected Access 2 (WPA2), and WPA
	 802.1X authentication, including Extensible Authentication Protocol (EAP) and Protected EAP (EAP -PEAP), EAP Transport Layer Security (EAP-TLS), EAP-Tunneled TLS (EAP-TTLS), EAP-Subscriber Identity Module (EAP-SIM), and Cisco LEAP
	 VPN pass-through
	IP Security (IPsec)
	Layer 2 Tunneling Protocol (L2TP)
	MAC address filtering
Warranty	1-year limited hardware warranty

Ordering Information

Table 3 gives ordering information for the Cisco Aironet 1540 Series.

Table 3.	Ordering Information
----------	----------------------

Part Number	Product Description
Aironet 1540 Series	 AIR-AP1542I-x-K9: Dual-band 802.11a/g/n/ac, Wave 2, internal semi-omni antennas AIR-AP1542D-x-K9: Dual-band 802.11a/g/n/ac, Wave 2, internal directional antennas
	Regulatory domains: (x = regulatory domain).
	Customers are responsible f or verifying approval f or use in their individual countries. To verify approval that corresponds to a particular country or the regulatory domain used in a specific country, visit https://www.cisco.com/go/aironet/compliance .
	Not all regulatory domains have been approved. As they are approved, the part numbers will be available on the Global Price List.
	Cisco Smart Net Total Care [™] Service for the Cisco Aironet 1540 Series Access Points
	Refer to the service part numbers on Cisco Commerce Workspace for available service offerings.

Warranty Information

The Cisco Aironet 1540 Series access points come with a 1 -year limited warranty that provides full warranty coverage of the hardware. The warranty includes 10 -day advance hardware replacement and helps ensure that software media are defect-free for 90 days. For more details, visit <u>https://www.cisco.com/go/warranty</u>.

Cisco Wireless LAN Services

Realize the full business value of your technology investments faster with intelligent, customized services from Cisco. Backed by deep networking expertise, Cisco Wireless LAN Services enable you to deploy a sound, scalable mobility network that enables rich media collaboration while improving the operational efficiency gained from a converged wired and wireless network infrastructure based on the Cisco Unified Wireless Network. We offer expert advisory, implementation and optimization services to accelerate your transition to advanced mobility services while continuously optimizing the performance, reliability, and security of that architecture after it is deployed. In addition, Smart Net Total Care service helps you protect your investment and derive maximum value from your Cisco products. Delivered by Cisco and backed by your trusted partner, this comprehensive service includes access to the Cisco Technical Assistance Center 24 hours a day, 365 days a year, IOS software updates, online resources, and expedited hardware replacement when needed. The Smart Net Total Care service helps you solve problems faster, improve operational efficiency, and reduce the risk of downtime. For more details, visit: https://www.cisco.com/c/en/us/products/wireless/service-listing.html.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. Learn more.

For More Information

For more information about the Cisco Aironet 1540 Series, visit <u>https://www.cisco.com/go/wireless</u> or contact your local Cisco account representative.

Americas Headquarters Cisco Systems, Inc. San Jose, CA Asia Pacific Headquarters Cisco Systems (USA) Pte. Ltd. Singapore Europe Headquarters Cisco Systems International BV Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)