..|...|.. cisco

Cisco Aironet 2700 Series Access Points



Dual-band 2.4 GHz and 5 GHz access points (APs) with 802.11ac Wave 1 support on the integrated 5-GHz radio

Cisco Aironet 2702i Access Point

- Sleek design with internal antennas
- · Ideal for office environments
- Classify over 20 different types of interference, including non-Wi-Fi interference, within 5 to 30 seconds
- Automatic remedial action and less manual intervention
- UL 2043 plenum-rated for above-ceiling installation or for suspending from drop ceilings

Cisco Aironet 2702e Access Points

- Rugged metal housing and extended operating temperature
- Ideal for factories, warehouses, and other indoor industrial environments
- Versatile RF coverage with external antennas
- UL 2043 plenum-rated for above-ceiling installation or for suspending from drop ceilings
- Classification of over 20 different types of interference, including non-Wi-Fi interference, within 5 to 30 seconds
- Automatic remedial action and less manual intervention

Troubleshooting Forensics for Faster Interference Resolution and Proactive Action

- Historic interference information for back-in-time analysis and faster problem solving
- 24x7 monitoring with remote access for reduced travel and speedier resolution
- Air quality index in Cisco CleanAir[®] technology provides a snapshot of network performance and the impact of interference

Robust Security and Policy Enforcement

- Industry's first AP with non-Wi-Fi detection for offchannel rogues
- Supports rogue AP detection and detection of denial-of-service attacks
- Management frame protection detects malicious
 users and alerts network administrators
- Enables policies to prohibit devices that interfere with the Wi-Fi network or jeopardize network security

Secure Interoperability

 Controller-based deployment and standalone deployments



The Cisco[®] Aironet[®] 2700 Series of Wi-Fi access points (APs) delivers industry-leading 802.11ac performance at a price point ideal for plugging capacity and coverage gaps in dense indoor environments. The Aironet 2700 Series extends 802.11ac speed and features to a new generation of smartphones, tablets, and high-performance laptops now shipping with the faster, 802.11ac Wi-Fi radios.

The Aironet 2700 series supports 802.11ac "Wave 1" In its first implementation, providing a theoretical connection rate of up to 1.3 Gbps. That's roughly triple the rates offered by today's high-end 802.11n APs. The boost helps you stay ahead of the performance and bandwidth expectations of today's mobile worker, who usually uses multiple Wi-Fi devices instead of just one. As such, users are adding proportionally larger traffic loads to the wireless LAN, which has outpaced Ethernet as the default enterprise access network.

High Density Experience (HD Experience)

Building on the Cisco Aironet heritage of RF excellence, the 2700 Series APs run on a purpose-built, innovative chipset with a best-inclass RF architecture. This chipset provides a high-density experience for enterprise networks designed for mission-critical, high-performance applications. The 2700 is a component of a Cisco series of flagship, 802.11ac-enabled APs that delivers a robust mobility experience based on the following product features:

 802.11ac with 3x4 multiple-input multiple-output (MIMO) technology supporting three spatial streams. This architecture offers a sustained 1.3-Gbps rates over a greater range for more capacity and reliability than competing APs.

- Cross-AP Noise Reduction, a Cisco innovation that enables APs to intelligently collaborate in real time about RF conditions so that users connect with optimized signal quality and performance.
- Optimized AP Roaming to ensure that client devices associate with the AP in their coverage range that offers the fastest data rate available.
- **Cisco ClientLink 3.0** technology to improve downlink performance to all mobile devices, including one-, two-, and three-spatial-stream devices on 802.11ac. At the same time, the technology improves battery life on mobile devices.
- **Cisco CleanAir** technology enhanced with 80MHz channel support. CleanAir delivers proactive, high-speed spectrum intelligence across 20-, 40-, and 80-MHz-wide channels to combat performance problems due to wireless interference.
- MIMO equalization capabilities, which optimize uplink performance and reliability by reducing the impact of signal fade.

The Cisco Aironet 2700 Series sustains higher-speed connections farther from the AP than competing solutions. The result is up to three times greater availability of 1.3-Gbps rates in the Cisco environment for optimum mobile device performance and user experiences.

Cisco also offers the industry's broadest selection of <u>802.11n and 802.11ac antennas</u>, delivering optimal coverage to different deployment scenarios.

Scalability

The Cisco Aironet 2700 Series is a component of the Cisco Unified Wireless Network, a foundation for operating both wired and wireless LANs in an integrated manner. The Unified Wireless Network can scale to as many as 18,000 APs with full Layer-3 mobility across locations on the enterprise campus, in branch offices, and at remote sites. The Cisco Unified Wireless Network delivers highly secure access to mobility services and applications. It offers the lowest total cost of ownership (TCO) and investment protection by integrating smoothly with existing wired networks.

Product Specifications

Table 1 lists the specifications for the Cisco Aironet 2700 Series Access Points.

Table 1.	Aironet 2700 Access Point Product Specifications
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ltem	Specification
Part numbers	Cisco Aironet 2700i Access Point: Indoor environments, with internal antennas
	• AIR-CAP2702I-x-K9: Dual-band, controller-based 802.11a/g/n/ac
	AIR-CAP2702I-xK910: Eco-pack (dual-band 802.11a/g/n/ac) 10 quantity access points
	Cisco Aironet 2700e Access Point: Indoor, challenging environments, with external antennas
	• AIR-CAP2702E-x-K9: Dual-band controller-based 802.11a/g/n/ac
	• AIR-CAP2702E-xK910: Eco-pack (dual-band 802.11a/g/n/ac), 10 quantity access points
	Cisco SMARTnet® Service for the Cisco Aironet 2700i Access Point with internal antennas
	CON-SNT-C272Ix: SMARTnet 8x5xNBD for 2700i access point (dual-band 802.11a/g/n/ac)
	• CON-SNT-C272Ix10: SMARTnet 8x5xNBD for 10-quantity eco-pack 2700i access point (dual-band 802.11a/g/n/ac)
	Cisco SMARTnet Service for the Cisco Aironet 2700e Access Point with external antennas
	• CON-SNT-C272Ex: SMARTnet 8x5xNBD for 2700e access point (dual-band 802.11a/g/n/ac)
	• QCON-SNT-C272Ex10: SMARTnet 8x5xNBD for 1- quantity eco-pack 2700e access point (dual-band 802.11a/g/n/ac)
	Regulatory domains: (x = regulatory domain)
	Customers are responsible for verifying approval for use in their individual countries. To verify approval and to identify the regulatory domain that corresponds to a particular country, visit <u>http://www.cisco.com/go/aironet/compliance</u> .
	Not all regulatory domains have been approved. As they are approved, the part numbers will be available on the Global Price List.

Item	Specification							
	Cisco Wireless LAN Services							
	• AS-WLAN-CNSLT: C	isco Wireless LAN Netwo	ork Planning and Design S	Service				
		isco Wireless LAN 802.1						
			rmance and Security Asse	essment Service				
Software	Cisco Unified Wireless N	etwork Software Release	e 7.6MR2 or later					
Supported wireless LAN controllers	2 (WiSM2) for Cataly Wireless Controllers,	st [®] 6500 Series Switches Cisco 8500 Series Wirele	, Cisco 5500 Series Wirel ess Controllers, Cisco Virt	ule for ISR G2, Cisco Wireless Services Module less Controllers, Cisco Flex [®] 7500 Series tual Wireless Controller nes, Cisco Catalyst 3650 Series Switches				
802.11n version 2.0 (and related) capabilities		ing (MRC) /g beamforming nnels 450 Mbps (40 MHz with A-MPDU (Tx/Rx), A-MSD uency selection (DFS)						
802.11ac Wave 1 capabilities		ng	,					
Data rates	802.11a: 6, 9, 12, 18, 24	, 36, 48, and 54 Mbps						
supported	802.11g: 1, 2, 5.5, 6, 9, 1	1, 12, 18, 24, 36, 48, and	d 54 Mbps					
	802.11n data rates on 2.4 GHz:							
	MCS Index ¹	Gl ² = 800 ns	GI = 400 ns					
		20-MHz Rate (Mbps)	20-MHz Rate (Mbps)					
	0	6.5	7.2					
	1	13	14.4					
	2	19.5	21.7					
	3	26	28.9					
	4	39	43.3					
	5	52	57.8					
	6	58.5	65					
	7	65	72.2					
		13	14.4					
	8							
	9	26	28.9					
	10	39	43.3					
	11	52	57.8					
	12	78	86.7					
	13	104	115.6					
	14	117	130					
	15	130	144.4					

¹ MCS Index: The Modulation and Coding Scheme (MCS) index determines the number of spatial streams, the modulation, the coding rate, and data rate values. ² GI: A guard interval (GI) between symbols helps receivers overcome the effects of multipath delays.

Item	Specificatio	on										
	16		19.5		21.7							
	17		39		43.3							
	18		58.5		65							
	19		78		86.7							
	20		117		130							
	21		156		173.3							
	22		175.5		195							
	23		195		216.7							
	802.11ac da	302.11ac data rates (5 GHz):										
	MCS Index ³	Spatial Streams		GI ⁴ =	800ns		GI = 400ns					
			20-MHz Rate (Mbps)	40-MHz (Mbps)		80-MHz Rate (Mbps)	20-MHz Rate (Mbps)	40-MHz Rate (Mbps)	80-MHz Rate (Mbps)			
	0	1	6.5	13.5		29.3	7.2	15	32.5			
	1	1	13	27		58.5	14.4	30	65			
	2	1	19.5	40.5		87.8	21.7	45	97.5			
	3	1	26	54		117	28.9	60	130			
	4	1	39	81		175.5	43.3	90	195			
	5	1	52	108		234	57.8	120	260			
	6	1	58.5	121.5		263.3	65	135	292.5			
	7	1	65	135		292.5	72.2	150	325			
	8	1	78	162		351	86.7	180	390			
	9	1	-	180		390	-	200	433.3			
	0	2	13	27		58.5	14.4	30	65			
	1	2	26	54		117	28.9	60	130			
	2	2	39	81		175.5	43.3	90	195			
	3	2	52	108		234	57.8	120	260			
	4	2	78	162		351	86.7	180	390			
	5	2	104	216		468	115.6	240	520			
	6	2	117	243		526.5	130	270	585			
	7	2	130	270		585	144.4	300	650			
	8	2	156	324		702	173.3	360	780			
	9	2	78	780		780	-	400	866.7			
	0	3	19.5	40.5		87.8	21.7	45	97.5			
	1	3	39	81		175.5	43.3	90	195			
	2	3	58.5	121.5		263.3	65	135	292.5			
	3	3	78	162		351	86.7	180	390			
	4	3	117	243		526.5	130	270	585			
	5	3	156	324		702	173.3	360	780			
	6	3	175.5	364.5		-	195	405	-			
	7	3	195	405		877.5	216.7	450	975			

³ MCS Index: The Modulation and Coding Scheme (MCS) index determines the number of spatial streams, the modulation, the coding rate, and data rate values. ⁴ GI: A guard interval (GI) between symbols helps receivers overcome the effects of multipath delays.

tem	Specifi	cation								
	8	3	234	486	1053	260	540	1170		
	9	3	260	540	1170	288.9	600	1300		
requency band		aulatory don	nain):		N /N regi	latory domain	•			
ind 20-MHz	A (A regulatory domain): • 2.412 to 2.462 GHz; 11 channels					N (N regulatory domain):				
operating channels	 2.412 to 2.462 GHz, 11 channels 5.180 to 5.320 GHz; 8 channels 					 2.412 to 2.462 GHz; 11 channels 5.180 to 5.320 GHz; 8 channels 				
			Hz; 8 channels			 5.745 to 5.825 GHz; 5 channels 				
						Q (Q regulatory domain):				
	(excludes 5.600 to 5.640 GHz) • 5.745 to 5.825 GHz; 5 channels					• 2.412 to 2.472 GHz; 13 channels				
	C (C re	gulatory don	nain):			 5.180 to 5.320 GHz; 8 channels 				
	• 2.41	12 to 2.472 GI	Hz; 13 channels			 5.500 to 5.700 GHz; 11 channels 				
	• 5.74	45 to 5.825 GI	Hz; 5 channels			 S.500 to 5.700 GHZ; 11 channels R (R regulatory domain): 				
	D (D re	gulatory don	nain):			to 2.472 GHz; 1				
	• 2.41	2 to 2.462 GI	, Hz; 11 channels			to 5.320 GHz; 8				
			Hz; 8 channels			to 5,805 GHz; 7				
	• 5.74	45 to 5.865 GI	Hz; 7 channels			llatory domain)				
	E (E re	gulatory dom	nain):			to 2.472 GHz; 1				
	• 2.41	2 to 2.472 GI	Hz; 13 channels			to 5.320 GHz; 8				
	• 5.18	30 to 5.320 GI	Hz; 8 channels			to 5.700 GHz;				
	• 5.50	00 to 5.700 GI	Hz; 8 channels							
	(exc	cludes 5.600 t	o 5.640 GHz)			 5.745 to 5.825 GHz; 5 channels T (T regulatory domain): 2.412 to 2.462 GHz; 11 channels 				
	F (F reg	gulatory dom	ain):							
	• 2.41	12 to 2.472 GI	Hz; 13 channels			 5.280 to 5.320 GHz; 3 channels 				
	• 5.18	30 to 5.320 GI	Hz; 8 channels			 5.500 to 5.700 GHz; 8 channels 				
			Hz; 8 channels o 5.640 GHz)			(excludes 5.600 to 5.640 GHz) • 5.745 to 5.825 GHz; 5 channels				
		gulatory don			• 5.745					
			Hz; 13 channels		Z (Z regu	Z (Z regulatory domain):				
			Hz; 8 channels		• 2.412	 2.412 to 2.462 GHz; 11 channels 5.180 to 5.320 GHz; 8 channels				
			Hz; 5 channels		• 5.180					
		latory doma				 5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz) 5.745 to 5.825 GHz; 5 channels 				
		-	Hz; 13 channels							
			Hz; 8 channels		• 5.745					
		gulatory don								
			Hz; 13 channels							
			Hz; 8 channels							
			Hz; 7 channels							
			Hz; 4 channels							
Note: Customers are a domain that correspor	responsib	le for verifyin	g approval for us				d to identify the	regulatory		
Maximum number	2.4 GH				5 GHz	<u>-</u> .				
of nonoverlapping		ء .11b/g:			• 802.1	1a [.]				
channels		0 MHz: 3				 802.11a: 20 MHz: 21 				
	• 802				• 802.1					
		0 MHz: 3				MHz: 21				
	, × 2	0 1011 12. 0								
						 40 MHz: 9 802.11ac: 				
						MHz: 21				
						 40 MHz: 9 80 MHz: 5 				
	1				00 0	VII 12. O				

Receive sensitivity • 802.11b (CCK) • 802.11g (non HT20) • 802.11g (non HT20) • 802.11g (non HT20) • 933 dBm @ 6 Mbps • -102 dBm @ 1 Mbps • -93 dBm @ 2 Mbps • -93 dBm @ 12 Mbps • -92 dBm @ 18 Mbps • -92 dBm @ 18 Mbps • -92 dBm @ 18 Mbps • -86 dBm @ 24 Mbps • -80 dBm @ CS1 • -90 dBm @ CS1<	
• 802.11n (HT20) • 802.11n (HT20) • 802.11n (HT20) • -93 dBm @ MCS0 • -93 dBm @ MCS0 • -90 dBm @ MC • -93 dBm @ MCS1 • -93 dBm @ MCS1 • -90 dBm @ MC • -91 dBm @ MCS2 • -91 dBm @ MCS2 • -88 dBm @ MCS3 • -88 dBm @ MCS4 • -91 dBm @ MCS5 • -85 dBm @ MCS4 • -80 dBm @ MCS5 • -81 dBm @ MCS5 • -77 dBm @ MCS6 • -79 dBm @ MCS6 • -77 dBm @ MCS6 • -76 dBm @ MCS7 • -93 dBm @ MCS10 • -88 dBm @ MCS10 • 88 dBm @ MCS1 • -86 dBm @ MCS11 • -86 dBm @ MCS11 • -83 dBm @ MCS1 • -91 dBm @ MCS12 • -91 dBm @ MCS11 • -83 dBm @ MCS1 • -93 dBm @ MCS10 • -86 dBm @ MCS11 • -83 dBm @ MCS1 • -91 dBm @ MCS12 • -91 dBm @ MCS13 • -75 dBm @ MCS1 • -93 dBm @ MCS13 • -75 dBm @ MCS13 • -75 dBm @ MCS1 • -93 dBm @ MCS13 • -75 dBm @ MCS13 • -75 dBm @ MCS1 • -93 dBm @ MCS14 • -77 dBm @ MCS13 • -75 dBm @ MCS1 • -93 dBm @ MCS15 • -77 dBm @ MCS13 • -75 dBm @ MCS1 • -93 dBm @ MCS14 • -77 dBm @ MCS15 • -72 dBm @ MCS1 • 79 dBm @ MCS16 • -93 dBm @ M	
• -82 dBm @ MCS20 • -79 dBm @ MCS20 • -79 dBm @ MCS20 • -77 dBm @ MCS21 • -77 dBm @ MCS21 • -74 dBm @ MCS21 • -76 dBm @ MCS22 • -76 dBm @ MCS22 • -73 dBm @ MCS22 • -74 dBm @ MCS23 • -75 dBm @ MCS23 • -71 dBm @ MCS23	ICS0 ICS1 ICS2 ICS3 ICS4 ICS5 ICS6 ICS6 ICS7 ICS8 ICS9 ICS10 ICS11 ICS12 ICS13 ICS14 ICS15 ICS16 ICS17 ICS18 ICS19 ICS19 ICS20 ICS21 ICS22
802.11ac Receive Sensitivity 802.11ac (non HT80) • -86 dBm @ 6 Mbps • -75 dBm @ 54 Mbps MCS Spatial	
Index ⁵ Streams VHT20 VHT40 VHT80 VTH20-STBC VHT40-STBC VHT80	-STBC
0 1 -92 dBm -89 dBm -85 dBm -92 dBm -89 dBm -85 dB	
8 1 -74 dBm -74 dBm	
9 1 -69 dBm -66 dBm -69 dBm -69 dBm -66 dBm	m
0 2 -92 dBm -88 dBm -85 dBm	
8 2 -72 dBm	
9 2 -67 dBm -63 dBm	
0 3 -92 dBm -88 dBm -84 dBm	
9 3 -68 dBm -66 dBm -62 dBm	

⁵ MCS Index: The Modulation and Coding Scheme (MCS) index determines the number of spatial streams, the modulation, the coding rate, and data rate values.

Item	Specification	
Maximum transmit	2.4 GHz	5 GHz
power	• 802.11b	• 802.11a
	 22 dBm, 3 antennas 	 23 dBm, 4 antennas
	• 802.11g	• 802.11n (HT20)
	 22 dBm, 3 antennas 	 23 dBm, 4 antennas
	• 802.11n (HT20)	• 802.11n (HT40)
	 22 dBm, 3 antennas 	 23 dBm, 4 antennas
		• 802.11ac
		 non-HT80: 23 dBm, 4 antennas
		 VHT20 23 dBm, 4 antennas
		 VHT40: 23 dBm, 4 antennas
		 VHT80: 23 dBm, 4 antennas
		 VHT20-STBC: 23 dBm, 4 antennas
		 VHT40-STBC: 23 dBm, 4 antennas
		 VHT80-STBC: 23 dBm, 4 antennas
Note: The maximum p specific details.	bower setting will vary by channel and according to individual	country regulations. Refer to the product documentation for
Available transmit	2.4 GHz	5 GHz
power settings	• 22 dBm (160 mW)	• 23 dBm (200 mW)
	• 19 dBm (80 mW)	• 20 dBm (100 mW)
	• 16 dBm (40 mW)	• 17 dBm (50 mW)
	• 13 dBm (20 mW)	• 14 dBm (25 mW)
	• 10 dBm (10 mW)	• 11 dBm (12.5 mW)
	• 7 dBm (5 mW)	• 8 dBm (6.25 mW)
	• 4 dBm (2.5 mW)	• 5 dBm (3.13 mW)
	• 2 dBm (1.25 mW)	• 2 dBm (1.56 mW)
	ower setting will vary by channel and according to individual	
specific details.		
Integrated antenna	• 2.4 GHz, gain 4 dBi, internal omni, horizontal beamwidth	
	 5 GHz, gain 6 dBi, internal omni, horizontal beamwidth 3 	360°
External antenna	 Certified for use with antenna gains up to 6 dBi (2.4 GHz 	z and 5 GHz)
(sold separately)	Cisco offers the industry's broadest selection of antenna	as, delivering optimal coverage for a variety of deployment
	scenarios	
Interfaces	 2x10/100/1000BASE-T autosensing (RJ-45) 	
	 Management console port (RJ-45) 	
Indicators	Status LED indicates boot loader status, association sta	tus, operating status, boot loader warnings, boot loader errors
Dimensions (W x L x H)	• Access point (without mounting bracket): 8.69 x 8.69 x 1	.99 in. (22.1 x 22.1 x 5.1 cm)
Weight	• 2.2 lb (1.0 kg)	
Environmental	Cisco Aironet 2702i	
	 Nonoperating (storage) temperature: −22° to 158°F (-30 	° to 70°C)
	 Nonoperating (storage) altitude test: 25°C, 15,000 ft. 	
	 Operating temperature: 32° to 104°F (0° to 40°C) 	
	Operating humidity: 10% to 90% percent (noncondensin	ıg)
	 Operating altitude test: 40°C, 9843 ft. 	
	Cisco Aironet 2700e	
	 Nonoperating (storage) temperature: -22° to 158°F (-30 	° to 70°C)
	 Nonoperating (storage) altitude test: 25°C, 15,000 ft. 	
	• Operating temperature: -4° to 122°F (-20° to 50°C)	
	Operating humidity: 10% to 90% (noncondensing)	
	• Operating altitude test: 40°C, 9843 ft.	
System memory	• 512 MB DRAM	

Item	Specification
Input power requirements	AP2700: 44 to 57 VDCPower supply and power injector: 100 to 240 VAC; 50 to 60 Hz
Power draw	• AP2700: 15W Note: When deployed using a Power over Ethernet (PoE) specification, the power drawn from the power sourcing equipment will be higher by some amount dependent on the length of the interconnecting cable.
Powering options	 802.3at PoE+ Enhanced PoE Cisco AP2700 power injectors (AIR-PWRINJ5=) Cisco AP2700 local power supply (AIR-PWR-B=) Note: If 802.3af PoE is the source of power, the access point will dynamically manage to shut down the AUX POE, and additionally shift from 3x4 to 3x3 and come up under PoE.
Warranty	Limited lifetime hardware warranty
Compliance standards	 UL 60950-1 CAN/CSA-C22.2 No. 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EN 60950-1 EN 50155 Radio approvals: FCC Part 15.247, 15.407 RSS-210 (Canada) EN 300.328, EN 301.893 (Europe) ARIB-STD 66 (Japan) ARIB-STD 66 (Japan) ARIB-STD 66 (Japan) ARIB-STD 71 (Japan) EM and susceptibility (Class B) FCC Part 15.107 and 15.109 ICES-003 (Canada) VCCL (Japan) EN 301.489-1 and -17 (Europe) EN 60601-1.2 ENC requirements for the Medical Directive 93/42/EEC IEEE standards: IEEE standards: IEEE 802.11a/b/g, 802.11n, 802.11d IEEE 802.11a/b/g, 802.11n, 802.11h, 802.11h, 802.11d IEEE 802.11a/b/g, 802.11n, 802.11h, 8

Limited Lifetime Hardware Warranty

The Cisco Aironet 2700 Series Access Points come with a limited lifetime warranty that provides full warranty coverage of the hardware for as long as the original end user continues to own or use the product. The warranty includes 10-day advance hardware replacement and ensures that software media are defect-free for 90 days. For more details, visit <u>http://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 and our partners. Backed by deep networking expertise and a broad ecosystem of partners, Cisco Wireless LAN Services enable you to deploy a sound, scalable mobility network that fosters rich media collaboration. At the same time, you can improve the operational efficiency gained from a converged wired and wireless network infrastructure based on the Cisco Unified Wireless Network. Together with partners, we offer expert plan, build, and run services to accelerate your transition to advanced mobility services. Then, we help you continuously optimize the performance, reliability, and security of that architecture after deployment. For more details, visit http://www.cisco.com/go/wirelesslanservices.

For More Information

For more information about the Cisco Aironet 2700 Series, visit <u>http://www.cisco.com/go/wireless</u> or contact your local account representative.



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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.

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