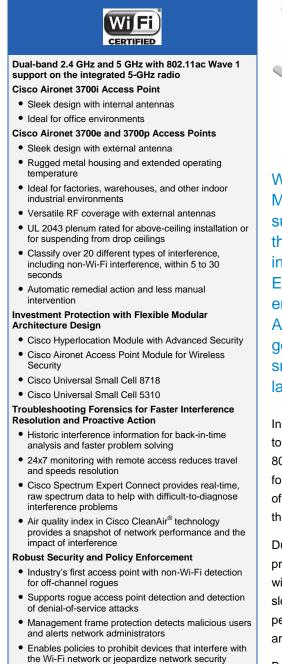
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Cisco Aironet 3700 Series Access Points



Secure Interoperability

· Controller-based deployment only



With the industry's only enterprise class 4x4 MIMO, three-spatial-stream access points that support the IEEE's new 802.11ac specification, the Cisco[®] Aironet[®] 3700 Series delivers industry-leading performance and a High Density Experience (HD Experience) for both the enterprise and service provider markets. The Aironet 3700 Series extends support to a new generation of Wi-Fi clients, such as smartphones, tablets, and high-performance laptops that have integrated 802.11ac support.

In its first implementation, 802.11ac wave 1 provides a rate of up to 1.3 Gbps, roughly triple the rates offered by today's high-end 802.11n access points. This provides the necessary foundation for enterprise and service provider networks alike to stay ahead of the performance and bandwidth expectations and needs of their wireless users.

Due to its convenience, wireless access is increasingly the preferred form of network connectivity for corporate users. Along with this shift, there is an expectation that wireless should not slow down user's day-to-day work, but should enable a highperformance experience while allowing users to move freely around the corporate environment.

By Utilizing a Purpose-built Innovative Chipset with the Best-in-class RF Architecture for a High Density Experience (HD Experience).

High Density Experience (HD Experience)

Building on the Cisco Aironet heritage of RF excellence, the 3700 Series utilizes a Purpose-built Innovative Chipset with the Best-in-class RF Architecture. This chipset provides a High Density Experience for enterprise network designed for mission critical, high performance applications. The 3700 is a series of flagship access points, delivering industry-leading performance for highly secure and reliable <u>wireless</u> connections and delivers a robust mobility experience that includes:

- 802.11ac with 4x4 multiple-input multiple-output (MIMO) technology with three spatial streams, offering sustained 1.3-Gbps rates over a greater range for more capacity and reliability than competing access points.
- Cross AP Noise Reduction¹ is a Cisco innovation that enables Access Points to intelligently collaborate in real-time to allow more users to connect with optimized signal quality and performance.
- Optimized AP Roaming ensures clients will associate with the best AP offering the best 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 while improving battery life on mobile devices such as smartphones and tablets.
- Cisco CleanAir[®] technology enhanced with 80-MHz Channel Support, provides proactive, high-speed spectrum intelligence across 20-, 40-, and 80-MHz-wide channels to combat performance problems due to wireless interference.
- Modular architecture design that is carried forward from the <u>Cisco Aironet 3600 Series</u>, enabling flexible add-on options in the form of the Cisco Aironet <u>Access Point Module for Wireless Security, Cisco</u> <u>Hyperlocation Module with Advanced Security</u>, and Cisco Universal Small Cell <u>8718 module</u>, or <u>5310</u> <u>module</u>, all of which are tightly integrated with the Aironet 3700 Series Access Point platform and are completely field-upgradable. MIMO equalization optimizes uplink performance and reliability by reducing the impact of signal fade.

The new Cisco Aironet 3700 Series sustains reliable connections at higher speeds farther from the access point than competing solutions, resulting in up to three times more availability of 1.3-Gbps rates and optimizing the performance of more mobile devices. The 3700 Series carries forward the modular architecture first introduced with the Aironet 3600 Series and offers unparalleled investment protection, with support for a series of modular solutions providing customers the ability to add significant value to their wireless network to meet new demands within their business environment.

All of these features help ensure the best possible end-user experience on the wireless network.

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

¹ Post FCS, enabled in a future software release

Scalability

The Cisco Aironet 3700 Series is a component of the Cisco Unified Wireless Network, which can scale to as many as 18,000 access points with full Layer 3 mobility across central or remote locations on the enterprise campus, in branch offices, and at remote sites. The Cisco Unified Wireless Network is the industry's most flexible, resilient, and scalable architecture, delivering highly secure access to mobility services and applications and offering the lowest total cost of ownership and investment protection by integrating smoothly with the existing wired network.

Product Specifications

Table 1 lists the specifications for the Cisco Aironet 3700 Series Access Points.

Table 1.	Product Specifications
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Item	Specification						
Part numbers	Cisco Aironet 3700i Access Point: Indoor environments, with internal antennas						
	• AIR-CAP3702I-x-K9: Dual-band, controller-based 802.11a/g/n/ac						
	AIR-CAP3702I-xK910: Eco-pack (dual-band 802.11a/g/n/ac) 10 quantity access points						
	Cisco Aironet 3700e Access Point: Indoor, challenging environments, with external antennas						
	• AIR-CAP3702E-x-K9: Dual-band controller-based 802.11a/g/n/ac						
	AIR-CAP3702E-xK910: Eco-pack (dual-band 802.11a/g/n/ac) 10 quantity access points						
	Cisco Aironet 3700p Access Point: high-density environments, with narrow-beamwidth, high-gain, antennas						
	• AIR-CAP3702P-x-K9: Dual-band controller-based 802.11a/g/n/ac						
	• AIR-CAP3702P-xK910: Eco-pack (dual-band 802.11a/g/n/ac) 10 quantity access points						
	Cisco Smart Net Total Care [™] for the Cisco Aironet 3700i Access Point with internal antennas						
	CON-SNT-3702IA: SNTC-8X5XNBD 802.11ac Ctrlr AP 4x Duration: 12 Month(s)						
	Cisco Smart Net Total Care for the Cisco Aironet 3700e Access Point with external antennas						
	• CON-SNT-3702EA: SNTC-8X5XNBD 802.11ac Ctrlr AP 4x4:3SS w/Cisco CleanAir; Ex Duration: 12 Month(s)						
	Cisco Smart Net Total Care for the Cisco Aironet 3700p Access Point with external antennas						
	• CON-SNT-AIR3APAK: SNTC-8X5XNBD 802.11ac Ctrlr AP 4x Duration: 12 Month(s)						
	Cisco Wireless LAN Services						
	AS-WLAN-CNSLT: Cisco Wireless LAN Network Planning and Design Service						
	AS-WLAN-CNSLT: Cisco Wireless LAN 802.11n Migration Service						
	AS-WLAN-CNSLT: Cisco Wireless LAN Performance and Security Assessment Service						
	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 by model of Access Point, visit <u>http://www.cisco.com/go/aironet/compliance</u> .						
	As regulatory domains are approved, the part numbers will be available on the Global Price List.						
Software	Cisco Unified Wireless Network Software Release with AireOS Wireless Controllers:						
	 7.6 or later for the Cisco Aironet 3700 Series Access Point 						
	 7.6 or later for support of the Wireless Security Module for the 3700 Series Access Point 						
	Cisco IOS XE Software Release:						
	 3.3.1SE or later for the Cisco Aironet 3700 Series Access Point 						
Supported wireless LAN controllers	 Cisco 2500 Series Wireless Controllers, Cisco Wireless Controller Module for ISR G2, Cisco Wireless Services Module 2 (WiSM2) for Catalyst[®] 6500 Series Switches, Cisco 5500 Series Wireless Controllers, Cisco Flex[®] 7500 Series Wireless Controllers, Cisco 8500 Series Wireless Controllers, Cisco Virtual Wireless Controller 						
	• Cisco 5760 Wireless LAN Controller, Cisco Catalyst 3850 Series Switches, Cisco Catalyst 3650 Series Switches						
Module options	Hyperlocation Module with Advanced Security						
	 Hyperlocation Module provides full-spectrum scanning, both 2.4 and 5 GHz, for comprehensive detection and mitigation of over-the-network attacks, Cisco CleanAir technology to detect devices causing network interference, roque device detection, context (location) awareness, FastLocate, and radio resource management (RRM) solutions 						
	 BLE Beacon, incorporates five centrally managed virtual BLE beacons with separate Universal Unique Identifiers (UUIDs) and power levels 						
	• FastLocate provides faster updates per Wi-Fi device for a quicker refresh of the device's location						
	• One meter of location accuracy of associated Wi-Fi clients, when paired with the Hyperlocation Antenna						
	• Provides full scanning of all 2.4- and 5-GHz channels while the access point is serving data clients on the integrated						

Item	Specification									
nem	radios									
	Cisco Aironet Access Point Module for Wireless Security									
	 Provides full-spectrum scanning for comprehensive detection and mitigation of over-the-network attacks, Cisco CleanAir technology to detect devices causing network interference, rogue device detection, context (location) awareness, FastLocate, and radio resource management (RRM) solutions 									
	 FastLocate provides 	s faster updates per Wi-F	i device for a quicker refr	resh of the device's location						
	radios (802.11b/g/n	and 802.11a/n)		s point is serving data clients on the integrated						
	Cisco Universal Small Cell 8718 Dual-band, switchable multimode module, first band for LTE with 2x50 mw M band for 3G with 100 mw transmit and receive diversity									
	• Software configurable to operate as UMTS and LTE. Band 1/3 (USC8718-M13-K9)									
		•	nd LTE. Band 1/7 (USC	,						
	 Software configuration <u>Cisco Universal Small C</u> 	-	nd LTE. Band 2/4 (USC8	3718-M24-K9)						
			R99), packet data (HSPA	/HSDPA+)						
			, · · · · · · · · · · · · · · · · · · ·	99), packet data (HSPA/HSDPA+)						
802.11n version 2.0 (and related) capabilities	 4x4 MIMO with three spatial streams Maximal ratio combining (MRC) 802.11n and 802.11a/g beamforming 20- and 40-MHz channels PHY data rates up to 450 Mbps (40 MHz with 5 GHz) Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) 802.11 dynamic frequency selection (DFS) Cyclic shift diversity (CSD) support 									
802.11ac Wave 1	 4x4 MIMO with three 	hree spatial streams								
capabilities		•	,							
Data rates supported	802.11a: 6, 9, 12, 18, 2	4, 36, 48, and 54 Mbps								
	802.11g: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps									
	802.11n data rates on 2.4 GHz:									
	MCS Index ²	Gl ³ = 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							
	8	13	14.4							
	9	26	28.9							
	10	39	43.3							

 ² MCS Index: The Modulation and Coding Scheme (MCS) index determines the number of spatial streams, the modulation, the coding rate, and data rate values.
 ³ GI: A guard interval (GI) between symbols helps receivers overcome the effects of multipath delay spreads.

Item	Specificati	on							
ite/iii	12	on	78		86.7				
	12		104		115.6				
	13		104		130				
	14		130		144.4				
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				
		ata rates (5	GHz):						
	MCS Index	Spatial Streams		GI ³ = 8	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	-
			195	405		877.5	216.7	403	975
	7	3	195	403		077.5	210.7	400	910

Item	Specification								
	8	3	234	486	1053	260	540	1170	
	9	3	260	540	1170	288.9	600	1300	
Frequency band and 20-MHz operating channels	A (A re 2.4 5.1 5.5 (ex) 5.7 C (C re 2.4 5.7	egulatory dor 12 to 2.462 G 80 to 5.320 G 00 to 5.700 G cludes 5.600 45 to 5.825 G egulatory dor 12 to 2.472 G 45 to 5.825 G	main): HZ; 11 channels HZ; 8 channels HZ; 8 channels to 5.640 GHZ) HZ; 5 channels main): HZ; 13 channels HZ; 5 channels	540	N (N reg • 2.41 • 5.18 • 5.74 Q (Q re • 2.41 • 5.18 • 5.50	1170 288.9 600 1300 N (N regulatory domain): • 2.412 to 2.462 GHz; 11 channels • 5.180 to 5.320 GHz; 8 channels • 5.745 to 5.825 GHz; 5 channels Q (Q regulatory domain): • 2.412 to 2.472 GHz; 13 channels • 5.180 to 5.320 GHz; 8 channels • 5.180 to 5.320 GHz; 11 channels • 5.180 to 5.320 GHz; 11 channels • 5.180 to 5.320 GHz; 8 channels • 5.180 to 5.320 GHz; 11 channels • 5.500 to 5.700 GHz; 11 channels R (R regulatory domain):			
	 2.4 5.1 5.7 E (E ret 2.4 5.1 5.5 (ex) H (H ret 2.4 5.1 	80 to 5.320 G egulatory dor 12 to 2.472 G 80 to 5.320 G 00 to 5.700 G cludes 5.600 egulatory dor 12 to 2.472 G 50 to 5.350 G	Hz; 11 channels Hz; 8 channels Hz; 5 channels nain): Hz; 13 channels Hz; 8 channels Hz; 8 channels to 5.640 GHz) main): Hz; 13 channels Hz; 8 channels		 2.412 to 2.472 GHz; 13 channels 5.180 to 5.320 GHz; 8 channels 5.660 to 5,805 GHz; 7 channels S (S regulatory domain): 2.412 to 2.472 GHz; 13 channels 5.180 to 5.320 GHz; 8 channels 5.500 to 5.700 GHz;, 11 channels 5.745 to 5.825 GHz; 5 channels T (T regulatory domain): 2.412 to 2.462 GHz; 11 channels 5.280 to 5.320 GHz; 3 channels 5.500 to 5.700 GHz; 3 channels 5.500 to 5.700 GHz; 3 channels 				
	 5.745 to 5.825 GHz; 5 channels I (I regulatory domain): 2.412 to 2.472 GHz; 13 channels 5.180 to 5.320 GHz; 8 channels K (K regulatory domain): 2.412 to 2.472 GHz; 13 channels 5.180 to 5.320 GHz; 8 channels 5.180 to 5.320 GHz; 8 channels 5.500 to 5.620 GHz; 7 channels 5.745 to 5.805 GHz; 4 channels 			 (excludes 5.600 to 5.640 GHz) 5.745 to 5.825 GHz; 5 channels Z (Z regulatory domain): 2.412 to 2.462 GHz; 11 channels 5.180 to 5.320 GHz; 8 channels 5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz) 5.745 to 5.825 GHz; 5 channels 					

Note: 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 by model of Access Point, visit http://www.cisco.com/go/aironet/compliance.

Maximum number of nonoverlapping channels	2.4 GHz • 802.11b/g: • 20 MHz: 3 • 802.11n: • 20 MHz: 3		5 GHz • 802.11a: • 20 MHz: 21 • 802.11n: • 20 MHz: 21 • 40 MHz: 9 • 802.11ac: • 20 MHz: 21 • 40 MHz: 9 • 80 MHz: 4
Note: This varies by reg	ulatory domain. Refer to the pro	oduct documentation for specif	fic details for each regulatory domain.
Receive sensitivity	 802.11b (CCK) -101 dBm @ 1 Mbps -98 dBm @ 2 Mbps -92 dBm @ 5.5 Mbps -89 dBm @ 11 Mbps 	 802.11g (non HT20) -91 dBm @ 6 Mbps -91 dBm @ 9 Mbps -91 dBm @ 12 Mbps -90 dBm @ 18 Mbps -87 dBm @ 24 Mbps -85 dBm @ 36 Mbps -80 dBm @ 48 Mbps -79 dBm @ 54 Mbps 	 802.11a (non HT20) -93 dBm @ 6 Mbps -93 dBm @ 9 Mbps -93 dBm @ 12 Mbps -92 dBm @ 18 Mbps -89 dBm @ 24 Mbps -86 dBm @ 36 Mbps -82 dBm @ 48 Mbps -80 dBm @ 54 Mbps

Item	Specification									
	2.4 GHz				5 GHz		5 GHz	5 GHz		
	• 802.11r	n (HT20)			• 802.11r	n (HT20)	• 802.11n (HT40)			
	∘ -90 d	Bm @ MCS()		∘ -93 d	Bm @ MCS0	∘ -90 d	Bm @ MCS0		
	 ∘ -90 dBm @ MCS1 			∘ -93 d	IBm @ MCS1 • -90 dBm @ M0					
	 -90 dBm @ MCS2 			∘ -92 d	∘ -92 dBm @ MCS2 ∘ -89 dBm @ M					
	 -88 dBm @ MCS3 				∘ -89 d	Bm @ MCS3	∘ -86 d	Bm @ MCS3		
	∘ -85 d	Bm @ MCS4	1		∘ -86 d	Bm @ MCS4	∘ -83 d	Bm @ MCS4		
	∘ -80 d	Bm @ MCS5	5			Bm @ MCS5		Bm @ MCS5		
		Bm @ MCS6				Bm @ MCS6		Bm @ MCS6		
		Bm @ MCS7				Bm @ MCS7		Bm @ MCS7		
		Bm @ MCS8				Bm @ MCS8		Bm @ MCS8		
		Bm @ MCS				Bm @ MCS9		Bm @ MCS9		
		Bm @ MCS1				Bm @ MCS10		Bm @ MCS10		
		Bm @ MCS1				Bm @ MCS11		Bm @ MCS11		
		Bm @ MCS1				Bm @ MCS12		Bm @ MCS12		
		Bm @ MCS1		• -80 dBm @ MCS13				 -77 dBm @ MCS13 -76 dBm @ MCS14 		
		Bm @ MCS1 Bm @ MCS1				Bm @ MCS14				
		Bm @ MCS1		o -93 dBm @ MCS16 o -92 dBm @ MCS17				 -74 dBm @ MCS15 -90 dBm @ MCS16 -89 dBm @ MCS17 		
		Bm @ MCS1 Bm @ MCS1								
		Bm @ MCS1 Bm @ MCS1					 -86 dBm @ MCS18 			
		Bm @ MCS1					 -83 dBm @ MCS19 			
		Bm @ MCS2				 -80 dBm @ MCS20 				
		Bm @ MCS2						Bm @ MCS21		
		Bm @ MCS2						IBm @ MCS22		
		Bm @ MCS2		∘ -76 dBm @ MCS23				Bm @ MCS23		
	802.11ac R	eceive Sens	sitivity							
	802.11ac (I	non HT80)								
	• -86 dBr	n @ 6 Mbps								
	• -76 dBr	n @ 54 Mbps	3							
	MCS Index⁴	Spatial Streams								
			VHT20	VHT40	VHT80	VTH20-STBC	VHT40-STBC	VHT80-STBC		
	0	1	-94 dBm	-91 dBm	-86 dBm	-94 dBm	-91 dBm	-86 dBm		
	8	1	-77 dBm			-77 dBm				
	9	1		-72 dBm	-69 dBm		-73 dBm	-70 dBm		
	0	2	-94 dBm	-91 dBm	-86 dBm					
	8	2	-75 dBm							
	9	2		-71 dBm	-67 dBm					
	0	3	-94 dBm	-91 dBm	-86 dBm					
	9	3	-71 dBm	-70 dBm	-65 dBm					

⁴ 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						
	 23 dBm, 4 antennas 	 23 dBm, 4 antennas 						
	• 802.11g	• 802.11n (HT20)						
	 23 dBm, 4 antennas 	 23 dBm, 4 antennas 						
	• 802.11n (HT20)	• 802.11n (HT40)						
	 23 dBm, 4 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.	ower setting will vary by channel and according	o individual country regulations. Refer to the product documentation for						
Available transmit	2.4 GHz	5 GHz						
power settings	• 23 dBm (200 mW)	• 23 dBm (200 mW)						
	• 20 dBm (100 mW)	• 20 dBm (100 mW)						
	• 17 dBm (50 mW)	• 17 dBm (50 mW)						
	• 14 dBm (25 mW)	• 14 dBm (25 mW)						
	• 11 dBm (12.5 mW)	• 11 dBm (12.5 mW)						
	• 8 dBm (6.25 mW)	• 8 dBm (6.25 mW)						
	• 5 dBm (3.13 mW)	• 5 dBm (3.13 mW)						
	• 2 dBm (1.56 mW)	• 2 dBm (1.56 mW)						
Note: The maximum p specific details.	ower setting will vary by channel and according	o individual country regulations. Refer to the product documentation for						
Integrated antenna	• 2.4 GHz, gain 4 dBi, internal omni, horizor	ntal beamwidth 360°						
-	 5 GHz, gain 4 dBi, internal omni, horizonta 							
External antenna	AP3700E: Certified for use with antenna of the second	ains up to 6 dBi (2.4 GHz and 5 GHz) with the AP3700E						
(sold separately)	 AP3700P: Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz), similar to the AP3700E and with the addition of support for AIR-ANT2513P4M-N= 13 dBi (2.4 GHz and 5 GHz) 							
		ion of <u>antennas</u> , delivering optimal coverage for a variety of deployment						
Interfaces	 10/100/1000BASE-T autosensing (RJ-45) 							
	 Management console port (RJ-45) 							
Indiactora	0 1 ()	appointion status, operating status, best leader warnings, best leader						
Indicators	• Status LED Indicates boot loader status, a errors	ssociation status, operating status, boot loader warnings, boot loader						
Dimensions (W x L x H)	Access point (without mounting bracket):	8.7 x 8.7 x 2.11 in. (22.1 x 22.1 x 5.4 cm)						
Weight	• 2.5 lb (1.13 kg)							
Environmental	Cisco Aironet 3700i							
	 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 (noncondensing)							
	• Operating altitude test: 40°C, 9843 ft.							
	Cisco Aironet 3700e/3700p							
	Nonoperating (storage) temperature: -22°	 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 temperature: -4° to 122°F (-20° 	to 50°C)						
	 Operating temperature: -4° to 122°F (-20° Operating humidity: 10% to 90% (noncond 							

Item	Specification									
System memory	 512 MB DRAM 64 MB flash 									
Input power requirements	AP3700: 44 to 57 VDCPower supply and power injector: 100 to 240 VAC; 50 to 60 Hz									
Power draw	* This is the power required at the P	SE, which is a switch or injector								
	Description	AP Functionality	PoE Budget [*] (Watts)	802.3af	E-PoE	802.3at PoE+ PWRINJ4				
PoE+ 802.3at	3700 - No external module installed	4x4:3 on 2.4/5 GHz	16.1	x	~	✓				
	3700 + Wireless Security Module	4x4:3 on 2.4/5 GHz + WSM	19.6	x	~	✓				
PoE 802.3af	3700 - No external module installed	3x3:3 on 2.4/5 GHz	15.4	•	n/a	n/a				
	3700 + Wireless Security Module	2x2:2 on 2.4/5 GHz + WSM	15.4	✓	n/a	n/a				
Warranty	Limited lifetime hardware warranty	·								
standards	 CAN/CSA-C22.2 No. 60950-1 UL 2043 IEC 60950-1 EN 60950-1 EN 50155 Radio approvals: FCC Part 15.247, 15.407 RSS-210 (Canada) EN 300.328, EN 301.893 (Europhic Contemporation of the second stress of the s	rope) B) ents for the Medical Directive 93 02.11h, 802.11d ess 2 (WPA2), WPA rds (AES), Temporal Key Integri col (EAP) types: / (TLS) · Microsoft Challenge Handshak EAP-MSCHAPv2 /ia Secure Tunneling (FAST) cen Card (GTC)	ity Protocol (TKIF		ersion 2 (N	(SCHAPv2)				

Limited Lifetime Hardware Warranty

The Cisco Aironet 3700 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 http://www.cisco.com/go/warranty.

Cisco Wireless LAN Services

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