

Cisco Aironet 3700 Series Access Points



Dual-band 2.4 GHz and 5 GHz with 802.11ac Wave 1 support on the integrated 5-GHz radio

Cisco Aironet 3700i Access Point

- · Sleek design with internal antennas
- · Ideal for office environments

Cisco Aironet 3700e and 3700p 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
- Classify over 20 different types of interference, including non-Wi-Fi interference, within 5 to 30 seconds
- Automatic remedial action and less manual intervention

Investment Protection with Flexible Modular Architecture Design

- Cisco Aironet Wireless Security Module
- Cisco Universal Small Cell 5310 (Limited Availability)
- Cisco Aironet 802.11ac Wave 2 Module (Target CY2016)

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 reduces travel and speeds resolution
- Cisco Spectrum Expert Connect provides real-time, raw spectrum data to help with difficult-to-diagnose interference problems
- 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 access point with non-Wi-Fi detection for off-channel rogues
- Supports rogue access point 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 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 high-performance 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 80MHz 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 3700</u>, enabling flexible add-on options in the form of the Cisco Aironet <u>Wireless Security Module</u>, the <u>Cisco Universal Small Cell 5310</u>
 <u>Module</u>, and the future Cisco Aironet 802.11ac Wave 2 Module, 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 the Cisco Aironet Wireless Security Module, Cisco Universal Small Cell 5310 Module, and the future Cisco Aironet 802.11ac Wave 2 Module.

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.

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.

¹ Post FCS, enabled in a future software release

Product Specifications

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

 Table 1.
 Product Specifications

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 SMARTnet® Service for the Cisco Aironet 3700i Access Point with internal antennas						
	CON-SNT-CAP3702x: SMARTnet 8x5xNBD for 3700i access point (dual-band 802.11a/g/n/ac)						
	Qty(10) CON-SNT-CAP372Ix: SMARTnet 8x5xNBD for 10 quantity eco-pack 3700i access point (dual-band 802.11a/g/n/ac)						
	Cisco SMARTnet Service for the Cisco Aironet 3700e Access Point with external antennas						
	CON-SNT-CAP3702x: SMARTnet 8x5xNBD for 3700e access point (dual-band 802.11a/g/n/ac)						
	 Qty(10) CON-SNT-CAP372Ex: SMARTnet 8x5xNBD for 10 quantity eco-pack 3700e access point (dual-band 802.11a/g/n/ac) 						
	Cisco SMARTnet Service for the Cisco Aironet 3700p Access Point with external antennas						
	CON-SNT-CAP3702x: SMARTnet 8x5xNBD for 3700p access point (dual-band 802.11a/g/n/ac)						
	 Qty(10) CON-SNT-CAP372Px: SMARTnet 8x5xNBD for 10 quantity eco-pack 3700p access point (dual-band 802.11a/g/n/ac) 						
	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, visit http://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.						
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						
	Wireless Security Module for the 3700 Series Access Point support – (Target 1HCY15)						
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	Cisco Aironet Wireless Security Module						
	Provides full-spectrum scanning for, wIPS for comprehensive detection and mitigation of over the network attacks, Cisco CleanAir technology detecting devices causing network interference, rogue device detection, context (location) awareness, and radio resource management (RRM) solutions						
	Provides full scanning of all 2.4- and 5-GHz channels while the Access Point is serving data clients on the integrated radios						
	Cisco Universal Small Cell 5310 - (Limited Availability)						
	3GPP band 1 (2100 MHz), 16 users, voice (R99), packet data (HSPA/HSDPA+)						
	• 3GPP band 2/5 (band 2 - 1930 and band 5 - 869), 16 users, voice (R99), packet data (HSPA/HSDPA+)						
	Cisco Aironet Access Point 802.11ac Wave 2 Module - (Target CY2016)						

Item	Specification			
802.11n version 2.0 (and related) capabilities 802.11ac Wave 1 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 4x4 MIMO with three spatial streams MRC 802.11ac beamforming 20-, 40-, and 80-MHz channels 			
Date rates supported	Packet aggregation:802.11 DFSCSD support	o 1.3 Gbps (80 MHz with A-MPDU (Tx/Rx), A-MS	·	
Data rates supported	802.11a: 6, 9, 12, 18, 24	· · · · · · · · · · · · · · · · · · ·	. 1 5 4 1 1	
	802.11g: 1, 2, 5.5, 6, 9,	11, 12, 18, 24, 36, 48, a	na 54 Mbps	
	MCS Index ²	GI ³ = 800 ns	GI = 400 ns	
	WC3 IIIdex	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	
	11	52	57.8	
	12	78	86.7	
	13	104	115.6	
	14	117	130	
	15	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	
	20	100	210.7	

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

Speci	Specification									
802.11	802.11ac data rates (5 GHz):									
MCS Index	Spatial Streams	Gi ³ = 800ns			GI = 400ns					
		20-MHz Rate (Mbps)	40-MHz Rate (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			
8	3	234	486	1053	260	540	1170			
9	3	260	540	1170	288.9	600	1300			

Item	Specification						
Frequency band and	A (A regulatory domain): N (N regulatory domain):						
20-MHz operating	• 2.412 to 2.462 GHz; 11 channels		• 2.412 to 2.462 GHz; 11 channels				
channels	• 5.180 to 5.320 GHz; 8 channels		• 5.180 to 5.320 GHz; 8 channels				
	• 5.500 to 5.700 GHz; 8 cha	annels	• 5.745 to 5.825 GHz; 5 channels				
	(excludes 5.600 to 5.640 (•	Q (Q regulatory domain):				
	• 5.745 to 5.825 GHz; 5 cha	annels	• 2.412 to 2.472 GHz; 13 channels				
	C (C regulatory domain):		• 5.180 to 5.320 GHz; 8 channels				
	• 2.412 to 2.472 GHz; 13 ch		• 5.500 to 5.700 GHz; 11 channels				
	• 5.745 to 5.825 GHz; 5 cha	annels	R (R regulatory domain):				
	D (D regulatory domain):		 2.412 to 2.472 GHz; 13 channels 				
	• 2.412 to 2.462 GHz; 11 ch		• 5.180 to 5.320 GHz; 8 channels				
	• 5.180 to 5.320 GHz; 8 cha		• 5.660 to 5,805 GHz; 7 channels				
	• 5.745 to 5.825 GHz; 5 cha	annels	S (S regulatory domain):				
	E (E regulatory domain):		• 2.412 to 2.472 GHz; 13 channels				
	• 2.412 to 2.472 GHz; 13 ch		• 5.180 to 5.320 GHz; 8 channels				
	• 5.180 to 5.320 GHz; 8 cha		• 5.500 to 5.700 GHz;, 11 channels				
	• 5.500 to 5.700 GHz; 8 cha		• 5.745 to 5.825 GHz; 5 channels				
	(excludes 5.600 to 5.640 (3N2)	T (T regulatory domain):				
	H (H regulatory domain):		• 2.412 to 2.462 GHz; 11 channels				
	• 2.412 to 2.472 GHz; 13 ch		• 5.280 to 5.320 GHz; 3 channels				
	• 5.150 to 5.350 GHz; 8 cha		• 5.500 to 5.700 GHz; 8 channels				
	• 5.745 to 5.825 GHz; 5 cha	anneis	(excludes 5.600 to 5.640 GHz)				
	I (I regulatory domain):		• 5.745 to 5.825 GHz; 5 channels				
	• 2.412 to 2.472 GHz; 13 ch		Z (Z regulatory domain):				
	• 5.180 to 5.320 GHz; 8 cha	anneis	2.412 to 2.462 GHz; 11 channels				
	K (K regulatory domain):	1.	• 5.180 to 5.320 GHz; 8 channels				
	• 2.412 to 2.472 GHz; 13 ch		• 5.500 to 5.700 GHz; 8 channels				
	• 5.180 to 5.320 GHz; 8 cha		(excludes 5.600 to 5.640 GHz)				
	• 5.500 to 5.620 GHz; 7 cha		• 5.745 to 5.825 GHz; 5 channels				
	• 5.745 to 5.805 GHz; 4 cha	annels					
	sponsible for verifying approval ls to a particular country, visit <u>ht</u>		ntries. To verify approval and to identify the regulatory /compliance.				
Maximum number of	2.4 GHz		5 GHz				
nonoverlapping	• 802.11b/g:		• 802.11a:				
channels	。 20 MHz: 3		。 20 MHz: 21				
	• 802.11n:		• 802.11n:				
	。 20 MHz: 3		。 20 MHz: 21				
			40 MHz: 9802.11ac:				
			∘ 20 MHz: 21				
			∘ 40 MHz: 9				
			∘ 80 MHz: 4				
Note: This varies by reg	ulatory domain. Refer to the pro	oduct documentation for specif	lic details for each regulatory domain.				
Receive sensitivity	• 802.11b (CCK)	• 802.11g (non HT20)	• 802.11a (non HT20)				
	 -101 dBm @ 1 Mbps -91 dBm @ 6 Mbps -98 dBm @ 2 Mbps -91 dBm @ 9 Mbps 		∘ -93 dBm @ 6 Mbps				
			∘ -93 dBm @ 9 Mbps				
	• -92 dBm @ 5.5 Mbps	• -91 dBm @ 12 Mbps	• -93 dBm @ 12 Mbps				
	 -92 dBm @ 5.5 Mbps -91 dBm @ 12 Mbps -90 dBm @ 18 Mbps 		• -92 dBm @ 18 Mbps				
	22 22 3	∘ -87 dBm @ 24 Mbps	• -92 dBiff @ 16 Mbps				
		-85 dBm @ 36 Mbps -85 dBm @ 36 Mbps	• -89 dBm @ 24 Mbps • -86 dBm @ 36 Mbps				
		∘ -80 dBm @ 48 Mbps	∘ -82 dBm @ 48 Mbps				
			The state of the s				
		7.5 dDill @ 04 lvlbps	∘ -80 dBm @ 54 Mbps				

Item	Specification							
Item	2.4 GHz • 802.11r • -90 d • -90 d • -90 d • -85 d • -85 d • -77 d • -90 d • -90 d • -78 d • -77 d • -75 d • -90 d • -89 d • -84 d • -81 d • -76 d		2 3 4 5 5 6 6 7 8 8 9 9 00 21		-93 d -92 d -89 d -86 d -81 d -80 d -79 d -93 d -93 d -93 d -93 d -97 d -87 d -87 d -87 d -93 d -93 d -93 d -93 d -95 d -77 d -93 d -93 d -95 d -97 d -98 d -86 d -83 d -79 d	In (HT20) Bm @ MCS0 Bm @ MCS1 Bm @ MCS2 Bm @ MCS3 Bm @ MCS4 Bm @ MCS5 Bm @ MCS6 Bm @ MCS7 Bm @ MCS8 Bm @ MCS9 Bm @ MCS10 Bm @ MCS11 Bm @ MCS12 Bm @ MCS13 Bm @ MCS14 Bm @ MCS15 Bm @ MCS15 Bm @ MCS15 Bm @ MCS15 Bm @ MCS16 Bm @ MCS17 Bm @ MCS17 Bm @ MCS17 Bm @ MCS19 Bm @ MCS19 Bm @ MCS20 Bm @ MCS21 Bm @ MCS21 Bm @ MCS21	-90 dl -89 dl -89 dl -89 dl -89 dl -89 dl -78 dl -77 dl -76 dl -90 dl -87 dl -77 dl -76 dl -77 dl -77 dl -77 dl -78 dl -89 dl -89 dl -89 dl -88 dl -80 dl -80 dl -80 dl	In (HT40) Bm @ MCS0 Bm @ MCS1 Bm @ MCS2 Bm @ MCS3 Bm @ MCS4 Bm @ MCS5 Bm @ MCS6 Bm @ MCS7 Bm @ MCS8 Bm @ MCS9 Bm @ MCS10 Bm @ MCS11 Bm @ MCS12 Bm @ MCS13 Bm @ MCS14 Bm @ MCS15 Bm @ MCS15 Bm @ MCS15 Bm @ MCS15 Bm @ MCS16 Bm @ MCS17 Bm @ MCS17 Bm @ MCS18 Bm @ MCS19 Bm @ MCS19 Bm @ MCS20 Bm @ MCS21 Bm @ MCS21 Bm @ MCS21
		Bm @ MCS2			∘ -76 d	Bm @ MCS23	∘ -73 d	Bm @ MCS23
	802.11ac (ı • -86 dBr	Receive Senson HT80) n @ 6 Mbps n @ 54 Mbps Spatial	·					
	Index ⁴	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		
			-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.

Itom	Specification					
Item	Specification	5.00				
Maximum transmit power	2.4 GHz ■ 802.11b □ 23 dBm, 4 antennas ■ 802.11g □ 23 dBm, 4 antennas ■ 802.11n (HT20) □ 23 dBm, 4 antennas	• 802.11a • 23 dBm, 4 antennas • 802.11n (HT20) • 23 dBm, 4 antennas • 802.11n (HT40) • 23 dBm, 4 antennas • 802.11ac • non-HT80: 23 dBm, 4 antennas • VHT20 23 dBm, 4 antennas • VHT40: 23 dBm, 4 antennas • VHT40: 23 dBm, 4 antennas • VHT80: 23 dBm, 4 antennas • VHT80: 23 dBm, 4 antennas				
Note: The maximum pospecific details.	ower setting will vary by channel and according to individual o	VHT80-STBC: 23 dBm, 4 antennas country regulations. Refer to the product documentation for				
Available transmit power settings	2.4 GHz • 23 dBm (200 mW) • 20 dBm (100 mW) • 17 dBm (50 mW) • 14 dBm (25 mW) • 11 dBm (12.5 mW) • 8 dBm (6.25 mW) • 5 dBm (3.13 mW) • 2 dBm (1.56 mW)	5 GHz • 23 dBm (200 mW) • 20 dBm (100 mW) • 17 dBm (50 mW) • 14 dBm (25 mW) • 11 dBm (12.5 mW) • 8 dBm (6.25 mW) • 5 dBm (3.13 mW) • 2 dBm (1.56 mW)				
Note: The maximum perspecific details.	ower setting will vary by channel and according to individual o	country regulations. Refer to the product documentation for				
Integrated antenna	 2.4 GHz, gain 4 dBi, internal omni, horizontal beamwid 5 GHz, gain 4 dBi, internal omni, horizontal beamwidth 					
External antenna (sold separately)	 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz) Cisco offers the industry's broadest selection of <u>antennas</u>, delivering optimal coverage for a variety of deployment scenarios 					
Interfaces	 10/100/1000BASE-T autosensing (RJ-45) Management console port (RJ-45) 					
Indicators	Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors					
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°) 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 (noncondensity) Operating altitude test: 40°C, 9843 ft. Cisco Aironet 3700e/3700p Nonoperating (storage) temperature: -22° to 158°F (-30°) 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.	ng)				
System memory	• 512 MB DRAM • 64 MB flash					

Item	Specification								
Input power requirements	 AP3700: 44 to 57 VDC Power supply and power injector: 100 to 240 VAC; 50 to 60 Hz 								
Power draw	*This is the power required at the PSE, which is a switch or injector.								
	Description	AP Functionality	PoE Budget [*] (Watts)	802.3af	E-PoE	802.3at PoE+ PWRINJ4			
PoE+	3700 - No external module installed	4x4:3 on 2.4/5 GHz	16.1	х	✓	✓			
802.3at	3700 + Wireless Security Module	4x4:3 on 2.4/5 GHz + WSM	19.6	x	✓	✓			
PoE	3700 - No external module installed	3x3:3 on 2.4/5 GHz	15.4	✓	n/a	n/a			
802.3af	3700 + Wireless Security Module	2x2:2 on 2.4/5 GHz + WSM	15.4	✓	n/a	n/a			
Warranty	Limited lifetime hardware warranty								
Compliance standards									

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

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 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. Together with partners, we offer expert plan, build, and run services to accelerate your transition to advanced mobility services while continuously optimizing the performance, reliability, and security of that architecture after it is deployed. For more details, visit http://www.cisco.com/go/wirelesslanservices.

For More Information

For more information about the Cisco Aironet 3700 Series, visit http://www.cisco.com/go/wireless or contact your local account representative.



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