

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

- · Sleek design with external antenna
- 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 Hyperlocation Module with Advanced Security
- Cisco Aironet Access Point Module for Wireless Security
- Cisco Universal Small Cell 8718
- Cisco Universal Small Cell 5310

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-inclass 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</u>, <u>Cisco Hyperlocation Module with Advanced Security</u>, and Cisco Universal Small Cell <u>8718 module</u>, or <u>5310 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.

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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

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: <u>Cisco Wireless LAN Network Planning and Design Service</u>
	AS-WLAN-CNSLT: Cisco Wireless LAN 802.11n Migration Service
	AS-WLAN-CNSLT: <u>Cisco Wireless LAN Performance and Security Assessment Service</u>
	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 http://www.cisco.com/go/aironet/compliance .
	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
module options	 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, rogue 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 radios

Item	Specification								
Kolli	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 faster updates per Wi-Fi device for a quicker refresh of the device's location								
	 Provides full scanning of all 2.4- and 5-GHz channels while the access point is serving data clients on the integrated radios (802.11b/g/n and 802.11a/n) 								
	Cisco Universal Small Cell 8718 Dual-band, switchable multimode module, first band for LTE with 2x50 mw MIMO, one band for 3G with 100 mw transmit and receive diversity Software configurable to operate as UMTS and LTE. Band 1/3 (USC8718-M13-K9)								
	Software configurable to operate as UMTS and LTE. Band 1/7 (USC8718-M17-K9)								
		·	and LTE. Band 2/4 (USC8	718-M24-K9)					
	Cisco Universal Small C		200) mankat data (USDA	/LICODA .)					
	,	,, ,	R99), packet data (HSPA 869), 16 users, voice (RS	99), packet data (HSPA/HSDPA+)					
802.11n version 2.0 (and related) capabilities	 Maximal ratio combine 802.11n and 802.11 20- and 40-MHz chains PHY data rates up the Packet aggregation: 	 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) 							
802.11ac Wave 1 capabilities	 4x4 MIMO with three spatial streams MRC 802.11ac beamforming 20-, 40-, and 80-MHz channels PHY data rates up to 1.3 Gbps (80 MHz with 5 GHz) Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Tx/Rx) 802.11 DFS CSD support 								
Data rates supported	802.11a: 6, 9, 12, 18, 2	802.11a: 6, 9, 12, 18, 24, 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	GI 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						
	11	52	57.8						

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.

Item	Specificati	on							
	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	58.5					
	19		78		86.7				
	20		117		130				
	21		156		173.3				
	22		175.5		195				
	23		195		216.7				
	802.11ac d	ata rates (5	GHz):						
	MCS Index	Spatial Streams		GI ³ = 8	300ns			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

Item Spe	Specification									
6		3	175.5	364.5	-		195	405	-	
7		3	195	405	8	77.5	216.7	450	975	
8		3	234	486	1	053	260	540	1170	
9		3	260	540	1	170	288.9	600	1300	
20-MHz operating channels B (() C (() H (() I (I) K (() K (()	2.412 to 5.500 to (exclude 5.745 to (B regula 2.412 to 5.508 to 5.745 to (C regula 2.412 to 5.745 to (C regula 2.412 to 5.745 to (D regula 2.412 to 5.745 to (E regula 2.412 to 5.180 to (Exclude (H regula 2.412 to 5.180 to (K regula 2.412 to 5.180 to (K regula 2.412 to 5.180 to (K regula 5.500 to 5.500 to	5.320 GHz; 5.700 GHz; 5.600 to 5 5.825 GHz; tory domain 2.462 GHz; 5.320 GHz; 5.825 GHz; tory domain 2.472 GHz; 5.825 GHz; tory domain 2.472 GHz; 5.320 GHz; 5.320 GHz; 5.320 GHz; 5.320 GHz; 5.320 GHz; 5.350 GHz; 5.700 GHz; 5.5600 to 5 tory domain 2.472 GHz; 5.350 GHz; 5.350 GHz; 5.350 GHz; 5.320 GHz; 5.350 GHz; 5.320 GHz; 5.350 GHz; 5.320 GHz; 5.320 GHz; 5.320 GHz; 5.320 GHz;	11 channels 8 channels 8 channels 8 channels 640 GHz) 5 channels n): 11 channels 8 channels 12 channels 5 channels 13 channels 5 channels 13 channels 8 channels 5 channels 13 channels 5 channels 5 channels 13 channels 8 channels 8 channels 8 channels 8 channels 13 channels 8 channels 13 channels 8 channels 5 channels 8 channels 8 channels 13 channels 8 channels 9 channels 17 channels 8 channels			• 2.412 • 5.186 • 5.744 Q (Q reg • 2.412 • 5.186 • 5.500 R (R reg • 2.412 • 5.186 • 5.666 S (S reg • 2.412 • 5.186 • 5.506 • 5.744 T (T reg • 2.412 • 5.286 • 5.506 (excl • 5.744 Z (Z reg • 2.412 • 5.186	pulatory domain) 2 to 2.462 GHz; 1 0 to 5.320 GHz; 8 5 to 5.825 GHz; 5 julatory domain) 2 to 2.472 GHz; 1 0 to 5.320 GHz; 8 0 to 5.700 GHz; 1 0 to 5.320 GHz; 8 0 to 5.805 GHz; 7 ulatory domain) 2 to 2.472 GHz; 1 0 to 5.320 GHz; 8 0 to 5.825 GHz; 5 to 5.825 GHz; 5 to 5.825 GHz; 5 to 5.825 GHz; 6 to 5.500 to 5.6 to 5.700 GHz; 8 to to 5.320 GHz; 8 to 5.525 GHz; 5	1 channels 3 channels 5 channels 6 channels 7 channels 8 channels 1 channels 8 channels 1 channels 8 channels 1 channels		

 $\textbf{Note:} \ \textbf{Customers are responsible for verifying approval for use in their individual countries.}$

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
 - o 40 MHz: 9
- 802.11ac:
 - ° 20 MHz: 21
 - · 40 MHz: 9
 - ° 80 MHz: 4

Note: This varies by regulatory domain. Refer to the product documentation for specific details for each regulatory domain.

Item	Specificati	on						
Receive sensitivity	∘ -98 d ∘ -92 d	o (CCK) dBm @ 1 Mb Bm @ 2 Mbp Bm @ 5.5 M Bm @ 11 Mb	ops	1g (non HT20) dBm @ 6 Mbps dBm @ 9 Mbps dBm @ 12 Mbp dBm @ 18 Mbp dBm @ 24 Mbp dBm @ 36 Mbp dBm @ 48 Mbp dBm @ 54 Mbp	s -93 s -93 s -93 s -92 s -89 s -86 s -82	1a (non HT20) dBm @ 6 Mbps dBm @ 9 Mbps dBm @ 12 Mbps dBm @ 18 Mbps dBm @ 24 Mbps dBm @ 36 Mbps dBm @ 48 Mbps dBm @ 54 Mbps		
	• -90 d • -88 d • -85 d • -86 d • -77 d • -90 d • -89 d • -89 d • -86 d • -78 d • -77 d • -90 d • -89 d • -84 d • -81 d • -87 d • -76 d • -75 d	M (HT20) Bm @ MCS0 Bm @ MCS1 Bm @ MCS2 Bm @ MCS2	2 2 3 4 5 5 6 7 8 9 10 11 12 13 14 14 15 15 16 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19		93928986818079939390878480797793928986837977	In (HT20) dBm @ MCS0 dBm @ MCS1 dBm @ MCS2 dBm @ MCS3 dBm @ MCS4 dBm @ MCS5 dBm @ MCS6 dBm @ MCS6 dBm @ MCS7 dBm @ MCS7 dBm @ MCS10 dBm @ MCS10 dBm @ MCS11 dBm @ MCS11 dBm @ MCS15 dBm @ MCS16 dBm @ MCS16 dBm @ MCS17 dBm @ MCS18 dBm @ MCS19 dBm @ MCS20 dBm @ MCS21 dBm @ MCS21 dBm @ MCS22 dBm @ MCS23	• -90 d • -86 d • -83 d • -78 d • -77 d • -76 d • -90 d • -90 d • -87 d • -76 d • -77 d • -84 d • -81 d • -77 d • -76 d • -89 d • -89 d • -89 d • -80 d • -83 d • -80 d • -76 d	I (HT40) BM @ MCS0 BM @ MCS1 BM @ MCS2 BM @ MCS3 BM @ MCS4 BM @ MCS5 BM @ MCS6 BM @ MCS7 BM @ MCS7 BM @ MCS7 BM @ MCS10 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 @ MCS18 BM @ MCS19 BM @ MCS20 BM @ MCS21 BM @ MCS22 BM @ MCS23
	802.11ac (r ● -86 dBr	non HT80) n @ 6 Mbps n @ 54 Mbps 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	ID		-77 dBm		
	9	1	04 dD	-72 dBm	-69 dBm		-73 dBm	-70 dBm
	0	2	-94 dBm	-91 dBm	-86 dBm			
	8	2	-75 dBm	ID	07.15			
	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 23 dBm, 4 antennas 802.11g 23 dBm, 4 antennas 802.11n (HT20) 	 802.11a 23 dBm, 4 antennas 802.11n (HT20) 23 dBm, 4 antennas 802.11n (HT40)
Note: The maximum pospecific details.	23 dBm, 4 antennas exting will vary by channel and according to individual of the control of the contr	 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 VHT80-STBC: 23 dBm, 4 antennas
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 pospecific 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)	addition of support for <u>AIR-ANT2513P4M-N=</u> 13 dBi (2	dBi (2.4 GHz and 5 GHz), similar to the AP3700E and with the
Interfaces	10/100/1000BASE-T autosensing (RJ-45)Management console port (RJ-45)	
Indicators	Status LED indicates boot loader status, association st errors	atus, 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°) 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.	ing)

liam.	Supplification									
Item	Specification									
System memory	512 MB DRAM 64 MB flash									
Input power	• AP3700: 44 to 57 VDC									
requirements	 Power supply and power injecto 	r: 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+ 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									
Compliance standards	3700 + Wireless Security Module 2x2:2 on 2.4/5 GHz + WSM 15.4 ✓ n/a n/a									

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.

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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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