

# Cisco Aironet 2600 Series Access Point



#### **Industrial Design**

- Sleek design with internal antennas, ideal for office environments
- Rugged metal housing and extended operating temperature, ideal for factories, warehouses, and other indoor industrial environments
- · Versatile RF coverage with optional external antennas
- UL 2043 plenum-rated for above-ceiling installation options or suspended from drop ceilings

#### Cisco ClientLink 2.0<sup>™</sup> Beamforming

- Faster mobile client connections
- Support for all client types without any client requirements or dependencies
- More efficient use of mobile device batteries
- Accelerates one-, two-, and three spatial stream devices

#### Cisco CleanAir™ Spectrum Intelligence

- Classifies over 20 different types of interference, including non-Wi-Fi interference, within 5 to 30 seconds
- Automatic remedial action and less manual intervention
- 24/7 monitoring with remote access reduces travel and speeds resolution
- Locates and visualizes interference and zone of impact
- Historic interference information for back-in-time analysis and faster problem solving
- Air Quality Index provides a snapshot of network performance and the impact of interference

## Cisco VideoStream Technology

- Efficient multicast-to-unicast conversion
- Video call admission control to prevent oversubscription
- Queue prioritization to ensure best user experience for corporate videos
- Perfect 5.0 mean opinion scores (MOS scores) in testing
- Double the client session scalability of competitors



The new Cisco<sup>®</sup> Aironet<sup>®</sup> 2600 Series Access Point delivers the most advanced features in its class - with great performance, functionality, and reliability at a great price. The 802.11n based Aironet 2600 Series includes 3x4 MIMO, with three spatial streams, plus Cisco CleanAir<sup>™</sup>, ClientLink 2.0<sup>™</sup>, and VideoStream technologies, to help ensure an interference-free, high-speed wireless application experience. Second only to the Cisco Aironet 3600 Series in performance and features, the Aironet 2600 Series sets the new standard for enterprise wireless technology.

Designed with rapidly evolving mobility needs in mind, the Aironet 2600 Series access point is packed with more Bring Your Own Device (BYOD)-enhancing functionality than any other access point at its price point. The new Cisco Aironet 2600 Series sustains reliable connections at higher speeds farther from the access point than competing solutions resulting in more availability of 450-Mbps data rates. Optimized for consumer devices, the Aironet 2600 Series accelerates client connections and consumes less mobile device battery power than competing solutions.

#### RF Excellence

The Cisco Aironet 2600 Series is ideal for enterprise networks of any size that need high-performance, secure, and reliable Wi-Fi connectivity for consumer devices, high-performance laptops, and specialized industry equipment such as point-of-sale devices and wireless medical equipment. Enterprise-class silicon and optimized radios deliver a robust mobility experience that includes:

- 802.11n with 3x4 multiple-input multiple-output (MIMO) technology with three spatial streams, which sustains 450-Mbps rates over a greater range for more capacity and reliability than competing access points.
- Cisco ClientLink 2.0 technology to improve downlink performance and range for all mobile devices, including one-, two-, and three- spatial stream devices on 802.11n, while improving battery life on mobile devices such as smartphones and tablets.
- Cisco CleanAir technology, which provides proactive, high-speed spectrum intelligence to combat performance problems due to wireless interference for a self-healing, self-optimized network.

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 antennas</u> delivering optimal coverage for a variety of deployment scenarios.

### Scalability

The Cisco Aironet 2600 Series is a component of the Cisco Unified Wireless Network, which can scale to up to 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 secure access to mobility services and applications, and offering the lowest total cost of ownership and investment protection by integrating seamlessly with the existing wired network.

## **Product Specifications**

Table 1 lists the product specifications for Cisco Aironet 2600 Series Access Points.

Table 1. Product Specifications for Cisco Aironet 2600 Series Access Points

Item	Specification
Part Numbers	The Cisco Aironet 2600i Access Point: Indoor environments with internal antennas
	AIR-CAP2602I-x-K9: Dual-band controller-based 802.11a/g/n
	AIR-CAP2602I-xK910: Eco-pack (dual-band 802.11a/g/n) 10 quantity access points
	AIR-SAP2602I-x-K9: Dual-band autonomous 802.11a/g/n
	AIR-SAP2602I-x-K95: Eco-pack (dual-band 802.11a/g/n) 5 quantity access points
	The Cisco Aironet 2600e Access Point: Indoor, challenging environments with external antennas
	AIR-CAP2602E-x-K9: Dual-band controller-based 802.11a/g/n
	AIR-CAP2602E-xK910: Eco-pack (dual-band 802.11a/g/n) 10 quantity access points
	AIR-SAP2602E-x-K9: Dual-band autonomous 802.11a/g/n
	AIR-SAP2602E-x-K95: Eco-pack (dual-band 802.11a/g/n) 5 quantity access points
	Cisco SMARTnet® Service for the Cisco Aironet 2600i Access Point with internal and External antennas
	• CON-SNT-y - SMARTnet 8x5xNBD 2600i/e access point (dual-band 802.11 a/g/n)
	(e.g. CON-SNT-C262IE for AP2600 internal antenna for E Domain)
	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)

Item	Specification						
	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: <a href="http://www.cisco.com/go/aironet/compliance">http://www.cisco.com/go/aironet/compliance</a> .			•			
	Not all regulatory domains have been approved. As they are approved, the part numbers will be available on the Global Price List.				ailable on the Global		
Software	Cisco Unified Wireless Network Software Release 7.2.110 or later.						
Supported Wireless LAN Controllers		Cisco Wireless LAN Con Router Generation 2 (ISF ries					
802.11n Version 2.0 (and Related) Capabilities	<ul> <li>3x4 multiple-input multiple-output (MIMO) with three spatial streams</li> <li>Maximal ratio combining (MRC)</li> <li>802.11n and 802.11a/g beamforming</li> <li>20- and 40-MHz channels</li> <li>PHY data rates up to 450 Mbps (40-MHz with 5 GHz)</li> <li>Packet aggregation: Aggregated MAC Protocol Data Unit (A-MPDU) (Tx/Rx), Aggregated MAC Protocol Service Unit (A-MSDU) (Tx/Rx)</li> <li>802.11 dynamic frequency selection (DFS)</li> <li>Cyclic shift diversity (CSD) support</li> </ul>						
Data Rates	802.11a: 6, 9, 12, 18, 2	802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps					
Supported	802.11bg: 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps						
	802.11n data rates (2.4	GHz <sup>1</sup> and 5 GHz):					
	MCS Index <sup>2</sup>						
		20-MHz Rate (Mbps)	40-MHz Rate (Mbps)	20-MHz Rate (Mbps)	40-MHz Rate (Mbps)		
	0	6.5	13.5	7.2	15		
	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	52	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		
	16	19.5	40.5	21.7	45		
	17	39	81	43.3	90		
	18	58.5	121.5	65	135		
	19	78	162	86.7	180		
	20	117	243	130	270		
	21	156	324	173.3	360		

<sup>&</sup>lt;sup>1</sup> 2.4 GHz: 2 GHz **does not** support 40 MHz.
<sup>2</sup> MCS Index: The Modulation and Coding Scheme (MCS) index determines the number of spatial streams, the modulation, the coding rate, and data rate values.
<sup>3</sup> GI: A guard interval (GI) between symbols helps receivers overcome the effects of multipath delays.

Item	Specification					
	22	175.5	364.5		195	405
	23	195	405		216.7	450
Frequency Band and 20-MHz Operating Channels	A (A regulatory domain  2.412 to 2.462 GHz;  5.180 to 5.320 GHz;  5.500 to 5.700 GHz, (excludes 5.600 to 5.705 GHz;  C (C regulatory domain  2.412 to 2.472 GHz;  5.745 to 5.825 GHz;  E (E regulatory domain)  2.412 to 2.472 GHz;  5.180 to 5.320 GHz;  (excludes 5.600 to 5.705 GHz, (excludes 5.600 to 5.705 GHz, 2.412 to 2.472 GHz, 2.412 to 2.472 GHz, 2.412 to 2.472 GHz, 2.412 to 2.472 GHz, 5.180 to 5.320 GHz;  5.180 to 5.320 GHz;	n - FCC):  11 channels 8 channels 8 channels .640 GHz) 5 channels n): 13 channels 5 channels 4 channels 8 channels 8 channels 8 channels 1640 GHz) : 13 channels 8 channels 8 channels 8 channels 6 channels 8 channels	405	• 2.412 tr • 5.180 tr • 5.745 tc Q (Q regul • 2.412 tr • 5.180 tr • 5.500 tr R (R regula • 2.412 tr • 5.180 tr • 5,660 tr S (S regula • 2.412 tr • 5.180 tr • 5.500 tr	atory domain - Non FC  2.462 GHz; 11 channels  3.5.320 GHz; 8 channels  3.5.825 GHz; 5 channels  3.5.320 GHz; 13 channels  3.5.320 GHz; 8 channels  3.5.320 GHz; 11 channels  3.5.700 GHz; 11 channels  3.5.320 GHz; 8 channels  3.5.320 GHz; 8 channels  3.5.825 GHz, 7 channels  3.5.825 GHz, 7 channels  3.5.320 GHz; 13 channels  3.5.320 GHz; 13 channels  3.5.320 GHz; 11 channels  3.5.320 GHz; 11 channels  3.5.700 GHz; 11 channels	C):  s s s s s s s s s s s s s s s s s s s
<b>Note:</b> Customers are rethat corresponds to a p.	<ul> <li>K (K regulatory domain):</li> <li>2.412 to 2.472 GHz; 13 channels</li> <li>5.180 to 5.320 GHz; 8 channels</li> <li>5.500 to 5.620 GHz, 7 channels</li> <li>5.745 to 5.805 GHz, 4 channels</li> </ul>			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, 8 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		
Maximum Number of		o.//www.cisco.com/go/air	опет/сотрпа	5 GHz		
Nonoverlapping Channels	802.11b/g:     20 MHz: 3     802.11n:     20 MHz: 3			802.11a     20 M     802.11r     20 M     40 M	 Hz: 21 n: Hz: 21	
Note: This varies by reg	gulatory domain. Refer to	the product documentati	on for specifi	c details for	each regulatory domain.	
Receive Sensitivity	• 802.11b (CCK) • -100 dBm @ 1 Mb • -99 dBm @ 2 Mb/ • -92 dBm @ 5.5 M • -88 dBm @ 11 Mb	s · -91 dBm @ b/s · -91 dBm @	9 6 Mb/s 9 9 Mb/s 12 Mb/s 118 Mb/s 2 24 Mb/s 2 36 Mb/s	• -92 d • -92 d • -92 d • -92 d • -89 d • -86 d • -81 d	a (non HT20) Bm @ 6 Mb/s Bm @ 9 Mb/s Bm @ 12 Mb/s Bm @ 18 Mb/s Bm @ 24 Mb/s Bm @ 36 Mb/s Bm @ 48 Mb/s Bm @ 54 Mb/s	

2.4 GHz	Item	Specification			
##		2.4-GHz		5-GHz	5-GHz
- 90 dBm @ MCS1		• 802.11n (HT20)		• 802.11n (HT20)	• 802.11n (HT40)
90 dBm @ MCS2		∘ -91 dBm @ MCS0		∘ -92 dBm @ MCS0	∘ -89 dBm @ MCS0
88 dBm @ MCS3		∘ -90 dBm @ MCS1		∘ -91 dBm @ MCS1	∘ -88 dBm @ MCS1
85 dBm @ MCS4		∘ -90 dBm @ MCS2		∘ -90 dBm @ MCS2	∘ -87 dBm @ MCS2
## - 80 dBm @ MCS5		∘ -88 dBm @ MCS3		∘ -87 dBm @ MCS3	· -84 dBm @ MCS3
78 dBm @ MCS6		∘ -85 dBm @ MCS4		∘ -84 dBm @ MCS4	∘ -81 dBm @ MCS4
75 dBm @ MCS7  90 dBm @ MCS8  90 dBm @ MCS9  88 dBm @ MCS10  86 dBm @ MCS10  86 dBm @ MCS11  81 dBm @ MCS11  81 dBm @ MCS11  81 dBm @ MCS11  81 dBm @ MCS13  74 dBm @ MCS13  74 dBm @ MCS13  74 dBm @ MCS14  75 dBm @ MCS14  74 dBm @ MCS15  88 dBm @ MCS15  88 dBm @ MCS15  90 dBm @ MCS16  88 dBm @ MCS17  87 dBm @ MCS17  87 dBm @ MCS17  87 dBm @ MCS18  80 dBm @ MCS16  88 dBm @ MCS17  87 dBm @ MCS16  88 dBm @ MCS17  87 dBm @ MCS18  83 dBm @ MCS19  70 dBm @ MCS12  75 dBm @ MCS22  76 dBm @ MCS22  76 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS23  69 dBm @ MCS24  70 dBm @ MCS25  70 dBm @ MCS22  70 dBm @ MCS25  70 dBm @ MCS25  70 dBm @ MCS22  70 dBm @ MCS25  70 dBm @		∘ -80 dBm @ MCS5		∘ -80 dBm @ MCS5	· -76 dBm @ MCS5
90 dBm @ MCS8  90 dBm @ MCS8  90 dBm @ MCS9  89 dBm @ MCS9  89 dBm @ MCS9  89 dBm @ MCS10  85 dBm @ MCS11  81 dBm @ MCS11  81 dBm @ MCS11  81 dBm @ MCS11  77 dBm @ MCS13  77 dBm @ MCS13  77 dBm @ MCS14  75 dBm @ MCS14  75 dBm @ MCS14  75 dBm @ MCS15  74 dBm @ MCS16  89 dBm @ MCS16  89 dBm @ MCS16  89 dBm @ MCS17  85 dBm @ MCS16  89 dBm @ MCS16  89 dBm @ MCS17  85 dBm @ MCS18  84 dBm @ MCS16  81 dBm @ MCS16  81 dBm @ MCS16  81 dBm @ MCS16  75 dBm @ MCS18  81 dBm @ MCS16  75 dBm @ MCS19  76 dBm @ MCS21  76 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS23  69 dBm		∘ -78 dBm @ MCS6		∘ -78 dBm @ MCS6	∘ -74 dBm @ MCS6
## - 90 dBm @ MCS9		∘ -75 dBm @ MCS7		· -75 dBm @ MCS7	· -73 dBm @ MCS7
89 dBm @ MCS10  86 dBm @ MCS10  86 dBm @ MCS10  86 dBm @ MCS11  81 dBm @ MCS12  76 dBm @ MCS12  78 dBm @ MCS13  77 dBm @ MCS13  77 dBm @ MCS13  77 dBm @ MCS13  77 dBm @ MCS14  75 dBm @ MCS14  75 dBm @ MCS15  77 dBm @ MCS15  77 dBm @ MCS16  77 dBm @ MCS16  77 dBm @ MCS16  77 dBm @ MCS16  74 dBm @ MCS16  74 dBm @ MCS16  88 dBm @ MCS16  89 dBm @ MCS16  88 dBm @ MCS16  89 dBm @ MCS16  89 dBm @ MCS16  88 dBm @ MCS16  80 dBm @ MCS19  79 dBm @ MCS19  79 dBm @ MCS19  70 dBm @ MCS20  76 dBm @ MCS20  76 dBm @ MCS20  76 dBm @ MCS22  77 dBm @ MCS22  77 dBm @ MCS22  70 dBm @ MCS23  69 dBm @ MCS23  23 dBm: 4 Antennas  23 dB		∘ -90 dBm @ MCS8		∘ -92 dBm @ MCS8	· -89 dBm @ MCS8
86 dBm @ MCS11		∘ -90 dBm @ MCS9		∘ -90 dBm @ MCS9	· -87 dBm @ MCS9
##		∘ -89 dBm @ MCS10		· -88 dBm @ MCS10	· -85 dBm @ MCS10
## -77 dBm @ MCS13 # -77 dBm @ MCS14 # -75 dBm @ MCS14 # -75 dBm @ MCS15 # -90 dBm @ MCS16 # -90 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -87 dBm @ MCS16 # -90 dBm @ MCS17 # -86 dBm @ MCS17 # -86 dBm @ MCS17 # -86 dBm @ MCS18 # -84 dBm @ MCS19 # -81 dBm @ MCS20 # -76 dBm @ MCS20 # -76 dBm @ MCS21 # -75 dBm @ MCS21 # -75 dBm @ MCS21 # -75 dBm @ MCS22 # -74 dBm @ MCS23 # -74 dBm @ MCS20 # -76 dBm @ MCS21 # -74 dBm @ MCS20 # -76 dBm @ MCS21 # -74 dBm @ MCS20 # -76 dBm @ MCS21 # -74 dBm @ MCS20 # -76 dBm @ MCS21 # -74 dBm @ MCS20 # -76 dBm @ MCS20 # -70 dBm @		∘ -86 dBm @ MCS11		· -85 dBm @ MCS11	· -81 dBm @ MCS11
77 dBm @ MCS14  76 dBm @ MCS15  72 dBm @ MCS15  74 dBm @ MCS15  74 dBm @ MCS16  78 dBm @ MCS16  78 dBm @ MCS16  78 dBm @ MCS17  86 dBm @ MCS17  86 dBm @ MCS18  83 dBm @ MCS18  83 dBm @ MCS18  83 dBm @ MCS18  83 dBm @ MCS18  79 dBm @ MCS19  76 dBm @ MCS20  70 dBm @ MCS20  7		∘ -82 dBm @ MCS12		· -81 dBm @ MCS12	· -78 dBm @ MCS12
75 dBm @ MCS15  74 dBm @ MCS16  74 dBm @ MCS16  89 dBm @ MCS16  89 dBm @ MCS17  87 dBm @ MCS17  87 dBm @ MCS17  87 dBm @ MCS18  89 dBm @ MCS17  86 dBm @ MCS18  89 dBm @ MCS17  86 dBm @ MCS18  83 dBm @ MCS18  83 dBm @ MCS19  79 dBm @ MCS19  79 dBm @ MCS19  75 dBm @ MCS20  70 dBm @ MCS20  7		∘ -78 dBm @ MCS13		· -77 dBm @ MCS13	· -74 dBm @ MCS13
##90 dBm @ MCS16  ##90 dBm @ MCS17  ##87 dBm @ MCS18  ##80 dBm @ MCS17  ##87 dBm @ MCS18  ##84 dBm @ MCS18  ##84 dBm @ MCS19  ##81 dBm @ MCS19  ##81 dBm @ MCS19  ##81 dBm @ MCS19  ##81 dBm @ MCS20  ##81 dBm @ MCS20  ##76 dBm @ MCS21  ##75 dBm @ MCS21  ##75 dBm @ MCS21  ##75 dBm @ MCS22  ##76 dBm @ MCS23  ##76 dBm @ MCS23  ##76 dBm @ MCS23  ##70 dBm @ MCS23  ##		∘ -77 dBm @ MCS14		∘ -76 dBm @ MCS14	∘ -72 dBm @ MCS14
		· -75 dBm @ MCS15		· -74 dBm @ MCS15	· -71 dBm @ MCS15
87 dBm @ MCS18  84 dBm @ MCS18  84 dBm @ MCS19  79 dBm @ MCS19  70 dBm @ MCS20  76 dBm @ MCS20  76 dBm @ MCS20  76 dBm @ MCS20  76 dBm @ MCS21  74 dBm @ MCS21  74 dBm @ MCS21  74 dBm @ MCS22  74 dBm @ MCS22  74 dBm @ MCS23  70 dBm @ MCS23  80 dBm @ MCS23  70 dBm @ MCS23  80 dBm @ MCS23  70 dBm @ MCS23  80 dBm @ MCS23  8		∘ -90 dBm @ MCS16		∘ -91 dBm @ MCS16	· -88 dBm @ MCS16
		∘ -89 dBm @ MCS17		· -89 dBm @ MCS17	· -85 dBm @ MCS17
81 dBm @ MCS20  76 dBm @ MCS21  75 dBm @ MCS21  75 dBm @ MCS22  75 dBm @ MCS22  75 dBm @ MCS22  74 dBm @ MCS22  74 dBm @ MCS22  74 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS22  70 dBm @ MCS23  69 dBm @ MCS23  6		∘ -87 dBm @ MCS18		∘ -86 dBm @ MCS18	· -83 dBm @ MCS18
76 dBm @ MCS21		∘ -84 dBm @ MCS19		∘ -83 dBm @ MCS19	∘ -79 dBm @ MCS19
0 - 75 dBm @ MCS22		∘ -81 dBm @ MCS20		· -80 dBm @ MCS20	· -76 dBm @ MCS20
Maximum Transmit Power    A GHZ   S GH		∘ -76 dBm @ MCS21		∘ -75 dBm @ MCS21	· -72 dBm @ MCS21
Maximum Transmit Power  2.4 GHz 9.802.11b 9.802.11b 9.22 dBm: 3 Antennas 9.802.11n (HT20) 9.22 dBm: 3 Antennas 9.802.11n (HT20) 9.22 dBm: 3 Antennas 9.802.11n (HT20) 9.22 dBm: 3 Antennas 9.802.11n (HT40) 9.22 dBm: 3 Antennas 9.802.11n (HT40) 9.22 dBm: 4 Antennas 9.802.11n (HT40) 9.23 dBm: 4 Antenn		∘ -75 dBm @ MCS22		∘ -74 dBm @ MCS22	∘ -70 dBm @ MCS22
Power    • 802.11b     • 22 dBm: 3 Antennas     • 802.11g     • 22 dBm: 3 Antennas     • 802.11g     • 22 dBm: 3 Antennas     • 802.11n (HT20)     • 22 dBm: 3 Antennas     • 802.11n (HT20)     • 22 dBm: 3 Antennas     • 802.11n (HT40)     • 22 dBm: 4 Antennas     • 802.11n (HT40)     • 23 dBm: 4 Antennas     • 23 dBm: 4 Antennas     • 802.11n (HT40)     • 23 dBm: 4 Antennas     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 802.11n (HT20)     • 23 dBm: 4 Antennas     • 24 GHz (MT2)     • 23 dBm: 4 Antennas     • 23 dBm: 4 Antennas     • 24 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 10 dBm: 4 dB		∘ -74 dBm @ MCS23		∘ -73 dBm @ MCS23	· -69 dBm @ MCS23
22 dBm: 3 Antennas  802.11g  22 dBm: 3 Antennas  802.11n (HT20)  23 dBm: 4 Antennas  802.11n (HT20)  23 dBm: 4 Antennas  802.11n (HT20)  23 dBm: 4 Antennas  802.11n (HT40)  23 dBm: 4 Antennas  802.11n (HT40)  23 dBm: 4 Antennas  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Available Transmit Power Settings  2.4 GHz  2.2 dBm (160 mW)  19 dBm (80 mW)  10 dBm (40 mW)  11 dBm (25 mW)  10 dBm (10 mW)  11 dBm (25 mW)  11 dBm (2.5 mW)  12 dBm (2.5 mW)  13 dBm (2.5 mW)  14 dBm (2.5 mW)  15 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  External Antenna  Call Separate the  Call Separate the		2.4 GHz		5 GHz	
* 802.11g     * 22 dBm: 3 Antennas     * 802.11n (HT20)     * 22 dBm: 3 Antennas     * 802.11n (HT20)     * 22 dBm: 3 Antennas  **Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  **Available Transmit Power Settings**    2.4 GHz	Power	• 802.11b		• 802.11a	
• 22 dBm: 3 Antennas • 802.11n (HT20) • 22 dBm: 3 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Available Transmit Power Settings  2.4 GHz • 22 dBm (160 mW) • 19 dBm (80 mW) • 19 dBm (80 mW) • 13 dBm (20 mW) • 13 dBm (20 mW) • 10 dBm (10 mW) • 10 dBm (10 mW) • 7 dBm (5 mW) • 10 dBm (2.5 mW) • 4 dBm (2.5 mW) • 5 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 23 dBm: 4 Antennas • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 23 dBm: 4 Antennas • 23 dBm: 4 Antennas • 802.11n (HT40) • 23 dBm: 4 Antennas • 24 dBm (20 mW) • 17 dBm (50 mW) • 11 dBm (12.5 mW) • 12 dBm (25 mW) • 13 dBm (20 mW) • 14 dBm (25 mW) • 15 dBm (30 mW) • 16 dBm (25 mW) • 17 dBm (50 mW) • 17 dBm (50 mW) • 18 dBm (625 mW) • 19 dBm (100 mW) • 10 dBm (100		<ul> <li>22 dBm: 3 Antennas</li> </ul>		<ul> <li>23 dBm: 4 Antennas</li> </ul>	
Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Available Transmit Power Settings  2.4 GHz 2.2 dBm (160 mW) 19 dBm (80 mW) 19 dBm (80 mW) 16 dBm (40 mW) 13 dBm (20 mW) 10 dBm (10 mW) 10 dBm (10 mW) 17 dBm (55 mW) 10 dBm (2.5 mW) 10 dBm (2.5 mW) 10 dBm (2.5 mW) 10 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 802.11g		• 802.11n (HT20)	
Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Available Transmit Power Settings  2.4 GHz  2.2 dBm (160 mW)  19 dBm (80 mW)  16 dBm (40 mW)  13 dBm (20 mW)  10 dBm (10 mW)  10 dBm (10 mW)  17 dBm (55 mW)  10 dBm (2.5 mW)  10 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  10 Let GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  10 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		<ul> <li>22 dBm: 3 Antennas</li> </ul>		<ul> <li>23 dBm: 4 Antennas</li> </ul>	
Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Available Transmit Power Settings  2.4 GHz  • 22 dBm (160 mW)  • 19 dBm (80 mW)  • 16 dBm (40 mW)  • 13 dBm (20 mW)  • 13 dBm (20 mW)  • 10 dBm (10 mW)  • 10 dBm (10 mW)  • 7 dBm (5 mW)  • 1 dBm (6.25 mW)  • 8 dBm (6.25 mW)  • 8 dBm (6.25 mW)  • 8 dBm (6.25 mW)  • 10 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		` ′		` ′	
Available Transmit Power Settings  2.4 GHz  2.2 dBm (160 mW)  19 dBm (80 mW)  16 dBm (40 mW)  13 dBm (20 mW)  10 dBm (10 mW)  10 dBm (10 mW)  10 dBm (50 mW)  10 dBm (50 mW)  10 dBm (50 mW)  10 dBm (50 mW)  10 dBm (6.25 mW)  10 dBm (6.25 mW)  10 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  5 GHz  4 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		22 dBm: 3 Antennas		<ul> <li>23 dBm: 4 Antennas</li> </ul>	
Power Settings  • 22 dBm (160 mW) • 19 dBm (80 mW) • 16 dBm (40 mW) • 13 dBm (20 mW) • 13 dBm (20 mW) • 10 dBm (10 mW) • 14 dBm (25 mW) • 10 dBm (10 mW) • 7 dBm (5 mW) • 4 dBm (2.5 mW) • 5 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360° • 6 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		ower setting will vary by channel	and according to individual cou	untry regulations. Refer to the p	roduct documentation for
** 22 dBm (160 mW)     ** 19 dBm (80 mW)     ** 16 dBm (40 mW)     ** 13 dBm (20 mW)     ** 13 dBm (20 mW)     ** 10 dBm (10 mW)     ** 14 dBm (25 mW)     ** 10 dBm (5 mW)     ** 7 dBm (5 mW)     ** 7 dBm (5 mW)     ** 4 dBm (2.5 mW)     ** 5 dBm (3.13 mW)   Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  ** 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     ** 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     ** 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     ** 6 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)	Available Transmit	2.4 GHz		5 GHz	
• 16 dBm (40 mW)     • 13 dBm (20 mW)     • 10 dBm (10 mW)     • 7 dBm (5 mW)     • 7 dBm (5 mW)     • 8 dBm (6.25 mW)     • 8 dBm (6.25 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna      • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 6 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 6 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)	Power Settings	• 22 dBm (160 mW)		• 23 dBm (200 mW)	
• 13 dBm (20 mW)     • 10 dBm (10 mW)     • 7 dBm (5 mW)     • 4 dBm (2.5 mW)     • 8 dBm (6.25 mW)     • 5 dBm (3.13 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna      • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 6 Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 19 dBm (80 mW)		• 20 dBm (100 mW)	
• 10 dBm (10 mW)     • 7 dBm (5 mW)     • 4 dBm (2.5 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna      • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°     • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)  Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 16 dBm (40 mW)		• 17 dBm (50 mW)	
• 7 dBm (5 mW)     • 4 dBm (2.5 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 13 dBm (20 mW)		• 14 dBm (25 mW)	
• 4 dBm (2.5 mW)  Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 10 dBm (10 mW)		• 11 dBm (12.5 mW)	
Note: The maximum power setting will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  External Antenna  (Sold Separately)		• 7 dBm (5 mW)		• 8 dBm (6.25 mW)	
specific details.  Integrated Antenna  • 2.4 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)		• 4 dBm (2.5 mW)		• 5 dBm (3.13 mW)	
• 5 GHz, Gain 4 dBi, internal omnidirectional, horizontal beamwidth 360°  External Antenna (Sold Separately)		ower setting will vary by channel	and according to individual cou	untry regulations. Refer to the p	roduct documentation for
External Antenna (Sold Separately)  • Certified for use with antenna gains up to 6 dBi (2.4 GHz and 5 GHz)	Integrated Antenna				
(Sold Separately)					
deployment scenarios		• Cisco offers the industry's broadest selection of 802.11n antennas delivering optimal coverage for a variety of			
Interfaces • 10/100/1000BASE-T autosensing (RJ-45)	Interfaces	• 10/100/1000BASE-T autos	ensing (RJ-45)		
Management console port (RJ-45)					
Indicators • Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors	Indicators	Status LED indicates boot l	oader status, association statu	s, operating status, boot loader	warnings, boot loader errors

Item	Specification
Dimensions (W x L x H)	Access point (without mounting bracket): 8.69x8.69x2.11in. (22.1x22.1x5.4)
Weight	• 2.3 lbs (1.04 kg) (2.7 lbs for external)
Environmental	Cisco Aironet 2600i  Nonoperating (storage) temperature: -22 to 158♥ (-3 0 to 70℃)  Nonoperating (storage) Altitude Test 25°C, 15,000 ft.  Operating temperature: 32 to 104♥ (0 to 40℃)  Operating humidity: 10 to 90% percent (noncondensing)  Operating Altitude Test: 40°C, 9843 ft.  Cisco Aironet 2600e  Nonoperating (storage) temperature: -22 to 158♥ (-3 0 to 70℃)  Nonoperating (storage) Altitude Test: 25°C, 15,000 ft.  Operating temperature: -4 to 131♥ (-20 to 55℃)  Operating humidity: 10 to 90 % (noncondensing)  Operating Altitude Test: 40°C, 9843 ft.
System Memory	<ul> <li>256 MB DRAM</li> <li>32 MB flash</li> </ul>
Input Power Requirements	<ul> <li>AP2600: 44 to 57 VDC</li> <li>Power Supply and Power Injector: 100 to 240 VAC; 50 to 60 Hz</li> </ul>
Powering Options	<ul> <li>802.3af Ethernet Switch</li> <li>Cisco AP2600 Power Injectors (AIR-PWRINJ4=)</li> <li>Cisco AP2600 Local Power Supply (AIR-PWR-B=)</li> </ul>
Power Draw	• AP2600: 12.95W  Note: When deployed using Power over Ethernet (PoE), the power drawn from the power sourcing equipment will be higher by some amount depending on the length of the interconnecting cable. This additional power may be as high as 2.45W, bringing the total system power draw (access point + cabling) to 15.4W.
Warranty	Limited Lifetime Hardware Warranty
Compliance Standards	<ul> <li>UL 60950-1</li> <li>CAN/CSA-C22.2 No. 60950-1</li> <li>UL 2043</li> <li>IEC 60950-1</li> <li>EN 60950-1</li> <li>EN 60950-1</li> <li>EN 50155</li> <li>Radio approvals:</li> <li>FCC Part 15.247, 15.407</li> <li>RSS-210 (Canada)</li> <li>EN 300.328, EN 301.893 (Europe)</li> <li>ARIB-STD 66 (Japan)</li> <li>ARIB-STD 771 (Japan)</li> <li>EMI and susceptibility (Class B)</li> <li>FCC Part 15.107 and 15.109</li> <li>ICES-003 (Canada)</li> <li>VCCI (Japan)</li> <li>EN 301.489-1 and -17 (Europe)</li> <li>EN 60601-1-2 EMC requirements for the Medical Directive 93/42/EEC</li> <li>IEEE Standard:</li> <li>IEEE 802.11a/b/g, IEEE 802.11n, IEEE 802.11h, IEEE 802.11d</li> <li>Security:</li> <li>802.11i, Wi-Fi Protected Access 2 (WPA2), WPA</li> <li>802.1X</li> <li>Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)</li> <li>EAP Type(s):</li> <li>Extensible Authentication Protocol-Transport Layer Security (EAP-TLS)</li> </ul>

Item	Specification
	Protected EAP (PEAP) v0 or EAP-MSCHAPv2
	<ul> <li>Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST)</li> </ul>
	PEAPv1 or EAP-Generic Token Card (GTC)
	<ul> <li>EAP-Subscriber Identity Module (SIM)</li> </ul>
	Multimedia:
	∘ Wi-Fi Multimedia (WMM <sup>™</sup> )
	• Other:
	FCC Bulletin OET-65C
	。 RSS-102

## Limited Lifetime Hardware Warranty

The Cisco Aironet 2600 Series Access Point comes 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 is 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 2600 Series, visit <a href="http://www.cisco.com/go/wireless">http://www.cisco.com/go/wireless</a> or contact your local 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)

Printed in USA C78-709514-02 12/12