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Data sheet Cisco public

# Cisco 6300 Series Embedded Services Access Points

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Embed pervasive wireless throughout your industrial assets and make your city intelligent with the Cisco<sup>®</sup> 6300 Series Embedded Services Access Points (ESW6300). Flexible, scalable, and secure, the ESW6300 provides resilient wireless mesh solutions built directly into your own hardware or IT solutions.

## Product overview

Cisco 6300 Series Embedded Services Access Points (ESW6300) integrate wireless mesh networking into heavy-industry and smart-city assets. Purpose-built with 802.11ac Wave 2, Cisco DNA Assurance, and Cisco Identity Services Engine (ISE), the ESW6300 provides a dependable and secure connectivity solution in almost any work environment. Dual Power over Ethernet (PoE) and PoE+ ports provide power and downlink connectivity to smart connected devices and sensors, and a single USB-out port allows for custom integrations.

The ESW6300 offers a scalable and secure mesh architecture for high-performance Wi-Fi services, and can also serve as an advanced static or mobile Workgroup Bridge (WGB). Its embeddable form factor adds connectivity almost anywhere it can fit—without compromising aesthetics or requiring cumbersome mounting solutions.



## Features and benefits

Feature	Benefit
802.11ac Wave 2 radio	Provides up to 867-Mbps data rates with 2 x 2 Multiple-Input, Multiple-Output (MIMO) and up to two spatial streams.
Multiuser MIMO (MU- MIMO)	Allows transmission of data to multiple 802.11ac Wave 2-capable clients simultaneously to improve the client experience. Prior to the 802.11ac Wave 2 standard, access points could transmit data to only one client at a time, typically referred to as single-user MIMO.
Small Form-Factor Pluggable (SFP) port	Supports optical, fiber-based network connectivity for remote locations.

Feature	Benefit
Dual PoE-out	Send power to-and backhaul data directly from-local IoT assets, such as IP cameras, sensors, or tracking systems.
Flexible deployment modes	Allows for deployment in a variety of ways, including as traditional access points and in mesh networks. The access points can also be deployed with the Cisco Mobility Express Solution. This deployment is ideal for small to medium-sized networks that require 50 or fewer access points without a physical controller. All deployment modes are easy to set up and configure.
No enclosure	Enables deployment of the access point where it is needed. The 6300 Embedded Services Series easily integrates into larger hardware, like light poles, without disturbing the aesthetics of the area.

## Flexible, embedded mesh networking

Cities and industrial environments were not designed for digital transformation. Flexibility is key to new connectivity deployments. Now you can remove constraints with the Cisco ESW6300. The embeddable form factor and wireless mesh capabilities allow for a myriad of successful deployment scenarios, without the requirement of cumbersome cabling. Create an expansive–and nearly invisible–network almost anywhere. You can configure the ESW6300 with:

- Cisco FlexConnect, a wireless solution for remote deployments. FlexConnect mode enables configuration and control of access points in a separate area through a WAN link, without having to deploy an additional controller.
- Bridge mode. The access point is configured to build a wireless mesh network where wired network cabling is not available.
- Flex+Bridge mode, which allows for both FlexConnect and Bridge mode to operate on the same access point.

## **Product specifications**

Table 2.	FSW6300	product	specifications
Table 2.	L300300	product	specifications

ltem	Specifications
Radio type	2.4 GHz: 802.11b/g/n, 2x2 MIMO, 2 spatial streams 5 GHz: 802.11a/n/ac, 2x2 MIMO, 2 spatial streams
802.11ac Wave 2 capabilities	<ul> <li>2x2 MIMO with two spatial streams</li> <li>Multi- and single-user MIMO</li> <li>Maximal-Ratio Combining (MRC)</li> <li>802.11ac beamforming (transmit beamforming)</li> <li>20-, 40-, and 80-MHz channels</li> <li>PHY data rates up to 867 Mbps (80-MHz bandwidth in 5 GHz)</li> <li>Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx)</li> <li>802.11 Dynamic Frequency Selection (DFS)</li> <li>Cyclic Shift Diversity (CSD) support</li> </ul>

Item	Specifications							
802.11n Version 2.0 (and related) capabilities	<ul> <li>2x2 MIMO with two spatial streams</li> <li>Maximal-Ratio Combining (MRC)</li> <li>20- and 40-MHz channels</li> <li>PHY data rates up to 300 Mbps (40-MHz bandwidth in 5 GHz)</li> <li>Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx)</li> <li>802.11 Dynamic Frequency Selection (DFS)</li> <li>Cyclic Shift Diversity (CSD) support</li> </ul>							
Data rates supported	2.4-GHz radio: 802.11b: 1, 2, 5 802.11g: 6, 9, 1 802.11n data ra	12, 18, 24, 36	, 48, 54 Mbps					
	MCS index		= 800 ns -MHz rate (Mbps		400 ns MHz rate (Mbps)			
	0	6.5		7.2				
	1	13		14.4	4			
	2 19.5			21.7				
	3 26		6		28.9			
	4 39		39		43.3			
	5 52			57.8	57.8			
	6 58		58.8					
	7 6			72.2	72.2			
	8 13		3		4			
	9 26			28.9	28.9			
	10	10 39		43.3	43.3			
	11	52		57.8				
	12	78		86.	7			
	13	104	1	115	6.6			
	14 117		7	130				
	15	130	)	144	144.4			
	5-GHz radio: 802.11a: 6, 9, 1 802.11n data ra		, 48, 54 Mbps					
	MCS index	GI = 800 ns 20-MHz rate (Mbps)	GI = 400 ns 20-MHz rate (Mbps)	GI = 800 ns 40-MHz rate (Mbps)				
	0	6.5	7.2	13.5	15			
	1	13	14.4	27	30			
	2	19.5	21.7	40.5	45			

Specificatio	ons							
3	26	28.9		54		60		
4	39	43.3		81		90		
5	52	57.8		108		120	0	
6	58.8	65		121.5		135		
7	65	72.2		135		150		
8	13	14.4		27		30		
9	26	28.9		54		60		
10	39	43.3		81		90		
11	52	57.8		108		120		
12	78	86.7		162		180		
13	104	115.6		216		240		
14	117	130		243		270		
15	130	144.4		270		300		
802.11ac	data rates:							
MCS index	Spatial streams	20-Mł (Mbps	Hz rate )	40-MH (Mbps)		e 80-MHz ra (Mbps)		
		GI = 800 ns	GI = 400 ns	GI = 800 ns	GI = 400 ns	GI = 800 ns	GI = 400 ns	
0	1	6.5	7.2	13.5	15	29.3	32.5	
1	1	13	14.4	27	30	58.5	65	
2	1	19.5	21.7	40.5	45	87.8	97.5	
3	1	26	28.9	54	60	117	130	
4	1	39	43.3	81	90	175.5	195	
5	1	52	57.8	108	120	234	260	
6	1	58.5	65	121.5	135	263.3	292.5	
7	1	65	72.2	135	150	292.5	325	
8	1	78	86.7	162	180	351	390	
9	1	-	-	180	200	390	433.3	
0	2	13	14.4	27	30	58.5	65	
1	2	26	28.9	54	60	117	130	
2	2	39	43.3	81	90	175.5	195	
3	2	52	57.8	108	120	234	260	
4	2	78	86.7	162	180	351	390	
5	2	104	115.6	216	240	468	520	
6	2	117	130	243	270	526.5	585	

Item	Specification	S						
	7	2	130	144.4	270	300	585	650
	8	2	156	173.3	324	360	702	780
	9	2	-	-	360	400	780	866.7
Frequency band and 20-MHz operating channels	<ul> <li>5.280 to 5.</li> <li>5.500 to 5.</li> <li>5.745 to 5.</li> <li>B (B regulatories)</li> <li>2.412 to 2.</li> <li>5.180 to 5.</li> <li>5.745 to 5.</li> <li>C (C regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>D (D regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>D (D regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>E (E regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>F (F regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>G (G regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>G (G regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>H (H regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>I (I regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>I (I regulatories)</li> <li>2.412 to 2.</li> <li>5.280 to 5.</li> <li>5.500 to 5.</li> <li>5.500 to 5.</li> <li>5.745 to 5.</li> <li>I (L regulatories)</li> <li>2.412 to 2.</li> <li>5.745 to 5.</li> <li>L (L regulatories)</li> <li>2.412 to 2.</li> </ul>	462 GHz; 11 chai 320 GHz; 3 chan 700 GHz; 8 chan 825 GHz; 5 chan 977 domain): 462 GHz; 11 chai 320 GHz; 8 chan 720 GHz; 12 chai 825 GHz; 5 chan 977 domain): 472 GHz; 13 chai 825 GHz; 7 chan 977 domain): 472 GHz; 13 chai 320 GHz; 8 chan 700 GHz; 8 chan 710 GHz; 13 chai 825 GHz; 5 chan 977 domain): 472 GHz; 13 chai 825 GHz; 5 chan 977 domain):	nels nels (exclu nels nels nels nels nels nels nels nels	or use only	()			

ltem	Specifications
	• 5.745 to 5.865 GHz; 7 channels
	M (M regulatory domain): • 2.412 to 2.472 GHz; 13 channels • 5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz) • 5.745 to 5.805 GHz; 4 channels N (N regulatory domain): • 2.412 to 2.462 GHz; 11 channels • 5.745 to 5.825 GHz; 5 channels Q (Q regulatory domain): • 2.412 to 2.472 GHz; 13 channels • 5.500 to 5.700 GHz; 11 channels R (R regulatory domain):
	<ul> <li>2.412 to 2.472 GHz; 13 channels</li> <li>5.180 to 5.320 GHz; 8 channels</li> <li>5.660 to 5.825 GHz; 9 channels</li> <li>S (S regulatory domain):</li> <li>2.412 to 2.472 GHz; 13 channels</li> <li>5.500 to 5.700 GHz; 11 channels</li> </ul>
	<ul> <li>5.745 to 5.825 GHz; 5 channels</li> <li>T (T regulatory domain):</li> <li>2.412 to 2.462 GHz; 11 channels</li> <li>5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz)</li> <li>5.745 to 5.825 GHz; 5 channels</li> </ul>
	<ul> <li>Z (Z regulatory domain):</li> <li>2.412 to 2.462 GHz; 11 channels</li> <li>5.500 to 5.700 GHz; 8 channels (excludes 5.600 to 5.640 GHz)</li> <li>5.745 to 5.825 GHz; 5 channels</li> <li>Note: Customers are responsible for verifying approval for use in their</li> </ul>
	individual countries. Not all regulatory domains are available for the ESW6300. To verify approval and to determine availability of the regulatory domain that corresponds to a particular country, visit <a href="https://www.cisco.com/c/dam/assets/prod/wireless/wireless-compliance-tool/index.html">https://www.cisco.com/c/dam/assets/prod/wireless/wireless-compliance-tool/index.html</a> .
Maximum number of nonoverlapping channels	2.4 GHz • 802.11b/g: • 20 MHz: 3 • 802.11n: • 20 MHz: 3 • 40 MHz: 1 (hardware-capable) 5 GHz
	<ul> <li>SGHZ</li> <li>802.11a:</li> <li>20 MHz: 27</li> <li>802.11n:</li> <li>20 MHz: 27</li> </ul>

Item	Specifications							
		<ul> <li>40 MHz: 13</li> <li>802.11ac:</li> </ul>						
	• 302.11ac. • 20 MHz: 27							
	• 40 MHz: 13							
	• 80 MHz: 6							
		Note: This number varies by regulatory domain. Refer to the product documentation for specific details for each regulatory domain.						
Receive sensitivity	2.4-GHz radio, 20	-MHz channel bandwidt	h					
	802.11b							
	Data rate (Mbps)		Тур	cal sensitivity (dBm)				
	1		-97					
	2		-94					
	5.5		-90					
	11		-87					
	802.11g							
	Data rate (Mbps)	Data rate (Mbps)						
	6	6						
	9	9						
	12	12						
	18	18						
	24		-83	-83				
	36		-80	-80				
	48		-75	-75				
	54		-74	-74				
	802.11n HT20							
	MCS index	Spatial streams		Typical sensitivity (dBm)				
	0	1		-89				
	1	1		-89				
	2	1		-87				
	3	1		-85				
	4	1		-83				
	5	5 1		-80				
	6	6 1		-75				
	7	1		-74				
	8	2		-88				
	9	2		-85				

Specification	S								
10	2				-83				
11	11       2       -80         12       2       -76         13       2       -72         14       2       -71         15       2       -71         15       2       -71         5-GHz radio       802.11a       -69         5-GHz radio       802.11a       -90         Data rate (Mbps)       -90       -90         9       -88       -90         9       -88       -90         9       -88       -90         9       -88       -90         9       -88       -90         9       -87       -88         12       -87       -84         24       -77       -81         36       -77       -74         802.11n/ac       -77       -74         802.11n/ac       Streams       Streams       Streams         0       1       -90       -87       -84         10       1       -90       -87       -84         11       1       -90       -87       -83         11       1       -90       -87       -83         1								
12	2				-76				
13	2				-72				
14	2				-71				
15	2				-69				
Data rate (MI	ops)		Sensiti	vity (dBm	)				
6			-90						
9			-88						
12			-87						
18			-84						
24			-81						
36	36 -77			-77			-77		
48			-75						
54			-74						
802.11n/ac									
MCS index		sensitiv HT/VH	/ity,	sensitivi HT/VHT					
0	1	-90		-87		-84			
1	1	-88		-86		-83			
2	1	-87		-84		-82			
3	1	-84		-81		-79			
4	1	-81		-78		-76			
5	1	-77		-74		-72			
6	1	-75		-73		-70			
7	1	-74		-71		-68			
8	1	-69		-67		-64			
9	1	-		-65		-62			
0	2	-89		-86		-84			
1	2	-86		-84		-81			
2	2	-83		-82		-78			
3	2	-80		-78		-74			

tem	Specifications							
	4	2	-77	-	-75 -	-71		
	5	2	-73	-	-70 -	-67		
	6	2	-71	-	-68 -	-65		
	7	2	-70	-	·67 -	-64		
	8	2	-65	-	-62 -	-59		
	9	2	-	-	-60 -	-58		
Maximum conducted transmit power	2.4-GHz radio: 5-GHz radio 802.11a							
	Data rate (Mbps	Data rate (Mbps)			Maximum conducted transmit power with two antennas (dBm)			
	6	6			27			
	9	9			27			
	12	12			27			
	18	18			27			
	24	24			26			
	36	36			26			
	48	48			25			
	54	54 24						
	802.11n/ac	802.11n/ac						
	MCS index	Spatial streams		Maximum conducted transmit power with two antennas (dBm)				
				20-MHz bandwid		80-MHz t bandwidth		
	HT/VHT MCS0	1		27	27	27		
	HT/VHT MCS1	1		27	27	27		
	HT/VHT MCS2	1		27	27	27		
	HT/VHT MCS3	1		27	27	27		
	HT/VHT MCS4	1		26	26	26		
	HT/VHT MCS5	1		25	25	25		
	HT/VHT MCS6	1		24	24	25		
	HT/VHT MCS7	1		23	23	23		
	VHT MCS8	1		23	23	23		
	VHT MCS9	1		-	22	22		
	HT MCS8/VH MCS0	2		27	27	27		

ltem	Specifications					
	HT MCS9/VH	2	27	27	27	
	MCS1					
	HT MCS10/VH MCS2	2	27	27	27	
	HT MCS11/VH MCS3	2	27	27	27	
	HT MCS12/VH MCS4	2	25	25	25	
	HT MCS13/VH MCS5	2	24	24	24	
	HT MCS14/VHT MCS6	2	23	23	23	
	HT MCS15/VHT MCS7	2	22	22	22	
	VHT MCS8	2	22	22	22	
	VHT MCS9	2	-	21	21	
	Note: The maximum power setting will vary according to individual country regulations and antenna gain. Refer to the product documentation for specific details.					
Interfaces	<ul> <li>x1 10/100/1000BASE-T auto-sensing PoE+ in (802.3at),Cisco Universal Power over Ethernet (UPOE) in</li> <li>x2 10/100/1000BASE-T auto-sensing PoE out (802.3af), PoE+ out (802.3at)</li> <li>x1 fiber SFP (fiber or electrical)</li> <li>Management console port (RJ-45)</li> <li>USB 3.0 port</li> <li>Multicolor system LED, port LED</li> <li>DC power input</li> <li>Reset button</li> </ul>					
Uplink options	Ethernet, SFP, and wireless mesh					
Antennas	Dual band					
		2.4-GHz peak gain (dBi)	5-GHz peak ga (dBi)	ain Anter	ina type	
	AIR-ANT2547V- N AIR- ANT2547VG-N AIR-ANT2547V- N-HZ		7	Omni	directional	
	AIR- ANT2568VG-N	6	8	Omni	directional	
	AIR-	8	8	Direc	tional, dual	

Specifications ANT2588P3M- N= AIR- ANT2513P4M- N=	13			polarization, 3	
ANT2513P4M-	13			port	
			13	Directional, dual polarization, 4 port	
2.4-GHz single band					
	Peak gain (dBi)		dBi)	Pattern	
AIR-ANT2450V-N=       5         AIR-ANT2450VG-N=       5         AIR-ANT2450HG-N=       5		5		Omnidirectional, vertical polarization	
				Omnidirectional, horizontal polarization	
AIR-ANT2480V-N	AIR-ANT2480V-N=     8       AIR-ANT2413P2M-N=     13			Omnidirectional	
AIR-ANT2413P2N				Directional, dual polarization, 2 port	
5-GHz single band	5-GHz single band				
Pea AIR-ANT5150VG-N= 5		Peak gain (dBi) Pa		Pattern	
				Omnidirectional, vertical polarization	
AIR-ANT5150HG-	-N=	5		Omnidirectional, horizontal polarization	
AIR-ANT5180V-N	=	8		Omnidirectional	
AIR-ANT5114P2N	1-N=	13		Directional, dual polarization, 2-port	
Note: For antenna details refer to the <u>Cisco Industri</u> <u>Wireless Access Points Antenna Guide</u> .				ial Routers and Industrial	
4x MMCX female					
<ul><li>44-57 VDC</li><li>PoE+ and UPOE</li></ul>					
UL/CSA 60950-1 UL/CSA 62368-1 IEC/EN 60950-1 IEC/EN 62368-1 CB report and cer CB report and cer Immunity • Less than or equa	tificate tificate al to 5 n	to IEC 60950 to IEC 62368	8-1 with all cou	ntry deviations	
	AIR-ANT2450V-N AIR-ANT2450VG- AIR-ANT2450HG- AIR-ANT2450HG- AIR-ANT2430V-N AIR-ANT2413P2N 5-GHz single band AIR-ANT5150VG- AIR-ANT5150VG- AIR-ANT5150HG- AIR-ANT5114P2N Note: For antenna Wireless Access F 4x MMCX female • 44-57 VDC • PoE+ and UPOE • VDC • PoE+ and UPOE • Information technol UL/CSA 60950-1 UL/CSA 60950-1 IEC/EN 62368-1 IEC/EN 62368-1 CB report and cer CB report and cer Immunity • Less than or equa • ANSI/IEEE C62.4	AIR-ANT2450V-N=         AIR-ANT2450VG-N=         AIR-ANT2450HG-N=         AIR-ANT2480V-N=         AIR-ANT2413P2M-N=         S-GHz single band         AIR-ANT5150VG-N=         AIR-ANT5150VG-N=         AIR-ANT5150HG-N=         AIR-ANT5180V-N=         AIR-ANT5114P2M-N=         Note: For antenna details         Wireless Access Points /         Vireless Access Points /         AX MMCX female         • 44-57 VDC         • PoE+ and UPOE         Information technology e         UL/CSA 60950-1         UL/CSA 60950-1         IEC/EN 62368-1         CB report and certificate         CB report and certificate	Image: Alk and the second s	Image: Alk - ANT2450V-N=       5         AIR-ANT2450VG-N=       5         AIR-ANT2450HG-N=       5         AIR-ANT2450HG-N=       5         AIR-ANT2480V-N=       8         AIR-ANT2413P2M-N=       13         5-GHz single band       Peak gain (dBi)         AIR-ANT5150VG-N=       5         AIR-ANT5150VG-N=       5         AIR-ANT5150VG-N=       5         AIR-ANT5150VG-N=       5         AIR-ANT5150VG-N=       8         AIR-ANT5114P2M-N=       13         Note: For antenna details refer to the Cisco Industrial Wireless Access Points Antenna Guide.         Vireless Access Points Antenna Guide.         4x MMCX female         • 44-57 VDC         • PoE+ and UPOE	

ltem	Specifications
	<ul> <li>IEC/EN61000-4-4 Level 4 Electrical Fast Transient Burst Immunity</li> <li>IEC/EN61000-4-3 Level 4 Radiated Field Immunity</li> <li>IEC/EN61000-4-2 Level 4 ESD Immunity</li> <li>IEC/EN 61000-4-3 10vrms Conducted Immunity</li> <li>IEC/EN 61000-4-8 - Power-Frequency Magnetic Field Immunity</li> <li>IEC/EN 61000-4-11 - VDI</li> <li>EN60950 Overvoltage Category IV</li> <li>CISPR24/CISPR 35</li> </ul>
	• KN 35
	Emissions • FCC part 15.107, 15.109 • FCC Part 15B, Class A • EN 55032 • CISPR 32 /CISPR22 • KN32 • ICES-003
	• EN 61000-3-2 - Harmonics emissions for up to 16amp
	Radio approvals FCC Part 15.247, 15.407 FCC 2.1091 RSS - 247 RSS-102 AS/NZS 4268 2017 MIC Article 2 paragraph 1 item (19)-2,3,3-2 KCC Notice No. 2013-1 EN 300 328 v2.1.1 EN 301 893 v2.1.1 EN 62311 LP0002: 2018 Regulatory domain support FCC (Americas, parts of Asia, and the Middle East) FCC (Americas, parts of Asia, and parts of Asia) TELEC (Japan) KCC (Korea)
	<ul> <li>KCC (Korea)</li> <li>Radio EMC</li> <li>EN 301 489-1 -17</li> <li>KN 301 489-1 -17</li> <li>Security</li> <li>Wireless Bridging / mesh</li> </ul>
	<ul> <li>X.509 digital certificates</li> <li>MAC address authentication</li> <li>Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)</li> <li>Wireless access</li> <li>802.11i, Wi-Fi Protected Access (WPA2), WPA</li> <li>802.1X authentication, including Extensible Authentication Protocol and Protected EAP (EAP-PEAP), EAP Transport Layer Security (EAP-TLS), EAP-</li> </ul>

Item	Specifications
	Tunneled TLS (EAP-TTLS), EAP-Subscriber Identity Module (EAP-SIM), and Cisco Lightweight Extensible Authentication Protocol (LEAP)
	• Advanced Encryption Standards (AES), Temporal Key Integrity Protocol (TKIP)
	• VPN pass-through
	<ul> <li>IP Security (IPsec)</li> </ul>
	<ul> <li>Layer 2 Tunneling Protocol (L2TP)</li> <li>MAC address filtering</li> </ul>
PoE output	35.3 W total
	Maximum 30W per PSE port
USB interface	USB 2.0 / USB 3.0 supported
Dimensions (H x W x L)	8.5 in. x 7.55 in. x 1.9 in.
Weight	3.1 lbs.
Environmental (operating temperature range)	• Non-operating (storage) temperature: -40° to 185°F (-40° to 85°C)
	• Non-operating (storage) altitude test: 25°C, 15,000 ft.
	<ul> <li>Operating temperature: -40° to 185°F (-40° to 85°C) as measured at the center top surface of thermal plate</li> </ul>
	Operating humidity: 10% to 90% (noncondensing)
	• Operating altitude test: 40°C, 10,000 ft.
Mounting options	DIN rail
Warranty	1 year

## Ordering information

#### Table 3. Ordering information

Part number	Product description
ESW6300 Series	<ul> <li>ESW-6300-CON-X-K9 (USB-enabled)</li> <li>ESW-6300-CON-X-K9 (USB-disabled)</li> </ul>
	Regulatory domains: (x = regulatory domain)
	Customers are responsible for verifying approval for use in their individual countries. To verify approval that corresponds to a particular country or the regulatory domain used in a specific country, visit <a href="https://www.cisco.com/go/aironet/compliance">https://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 Cisco Global Price List (GPL).
	Cisco Smart Net Total Care® Service for the ESW6300 Series
	Refer to the service part numbers on Cisco Commerce Workspace for available service offerings.

## Warranty information

The Cisco 6300 Series Embedded Services Access Points come with a 1-year limited warranty that provides full warranty coverage of the hardware. The warranty includes 10-day advance hardware replacement and

helps ensure that software media are defect-free for 90 days. For more details, visit <u>https://www.cisco.com/go/warranty</u>.

### Cisco environmental sustainability

Information about Cisco's environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the "Environment Sustainability" section of Cisco's <u>Corporate Social Responsibility</u> (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the "Environment Sustainability" section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

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## **Cisco Wireless LAN Services**

Realize the full business value of your technology investments faster with intelligent, customized services from Cisco. Backed by deep networking expertise, 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. We offer expert advisory, implementation and optimization services to accelerate your transition to advanced mobility services while continuously optimizing the performance, reliability, and security of that architecture after it is deployed. In addition, Smart Net Total Care service helps you protect your investment and derive maximum value from your Cisco products. Delivered by Cisco and backed by your trusted partner, this comprehensive service includes access to the Cisco Technical Assistance Center 24 hours a day, 365 days a year, IOS software updates, online resources, and expedited hardware replacement when needed. The Smart Net Total Care service helps you solve problems faster, improve operational efficiency, and reduce the risk of downtime. For more details, visit: https://www.cisco.com/c/en/us/products/wireless/service-listing.html.

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## Embed Cisco Wi-Fi into your industrial networking solutions

Does your product or solution have the wireless connectivity in place to guarantee secure wireless backhaul of your IoT devices, while in a ruggedized, embeddable form factor? The Cisco 6300 Series Embedded Services Access Points is flexible enough to connect your autonomous vehicle solutions as well as fully industrial or outdoor use cases to the network, where it can seamlessly integrate into an existing Cisco network or be the backbone of a new network altogether.

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