



Access Point Specifications

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Technical Specifications

The following table lists the technical specifications for the Cisco Catalyst IW6300 Heavy Duty Series Access Points. For detailed specifications, refer to the Cisco Catalyst IW6300 Heavy Duty Series Access Point data sheet at:

<https://www.cisco.com/c/en/us/products/collateral/wireless/industrial-wireless-6300-series/datasheet-c78-742907.html>

Table 1: Technical Specifications

Category	IW-6300H-AC-x-K9	IW-6300H-DC-x-K9	IW-6300H-DCW-x-K9
Size	9.7 in. x 11 in. x 5.6 in. (24.7 cm x 28 cm x 14.2 cm)	9.7 in. x 11 in. x 3.8 in. (24.2 cm x 28 cm x 9.65 cm)	9.7 in. x 11 in. x 5.6 in. (24.7 cm x 28 cm x 14.2 cm)
Weight	13.3 lbs (6.03 kg)	9.8 lbs (4.45 kg)	12.7 lbs (5.76 kg)
Power sources	100 to 240 VAC, 1.3A,50–60 Hz	44 to 57VDC, 1.2A	10.8 to 36Vdc, 5.9A
Antenna connectors	Four Type N antenna connectors for 2.4 GHz radio and 5 GHz 802.11ac radio (depends on configuration)		
Ethernet connectors	<ul style="list-style-type: none"> • One 100/1000M SFP for WAN • One 10/100/1000M RJ45 for WAN (UPoE or PoE+ in) • Two 10/100/1000M RJ45 for LAN (802.3at or 802.3af out) 		
Operating temperature	-40° to 75°C (-40° to 167°F) without solar loading, still air		
Storage temperature	-40° to 85°C (-40° to 185°F)		
Humidity	10 to 90% noncondensing		

Category	IW-6300H-AC-x-K9	IW-6300H-DC-x-K9	IW-6300H-DCW-x-K9
Environmental ratings	UL 50E (type 4X) EN/IEC 60529 (IP66 and IP67) UL/CSA/IEC 60950-22 outdoor rating		
Wind resistance	Wind resistance: <ul style="list-style-type: none"> • Up to 100 MPH sustained winds • Up to 165 MPH wind gusts 		
WW EMC-Emissions: CLASS: A	FCC 47 CFR Part 15B ICES-003 Issue 6: 2016 CISPR 22 EN 55022 CISPR32 Edition 2 EN 55032:2015 EN 61000-3-2: 2014 (Applicable to IW-6300H-AC-X-K9 only) EN 61000-3-3:2013 (Applicable to IW-6300H-AC-X-K9 only) VCCI CLASS A AS/NZ CISPR32		
WW EMC-Immunity	CISPR24: 2010 + A1: 2015 EN 55024: 2010 + A1: 2015 CISPR35, EN 55035 EN 300386 V1.6.1		

Category	IW-6300H-AC-x-K9	IW-6300H-DC-x-K9	IW-6300H-DCW-x-K9
Radio (Wi-Fi)	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, v1.9.1, v1.8.1 EN 301 893 v2.1.1, v1.8.1, v1.7.1 EN 62311 LP0002: 2018 Regulatory Domain Support: FCC (Americas Middle East, Africa, and parts of Asia) ETSI (Europe, Middle East, Africa, and parts of Asia) TELEC (Japan) KCC (Korea)		
Radio EMC	EN 301 489 – 17 KN 301 489 – 17		
Safety	UL/CSA/EN/IEC 60950-1:2016 +A1:2010 +A11:2009 +A12:2011 +A2:2013 IEC 60950-1 UL/CSA/EN/IEC 62368-1		
Ingress (water and dust) Protection	UL 50E (type 4X) EN/IEC 60529 (IP66 and IP67) UL/CSA/IEC 60950-22 Outdoor rating		

Power Consumption Budget

The following table lists the power consumption budget for the IW-6300H access point configurations.

Table 2: IW-6300H Power Consumption

Element	Absolute Max Power (Watts)
Total power budget when using AC power source (100-240VAC)	28.0

Element	Absolute Max Power (Watts)
Total power budget when using DC power source (44-57VDC)	19.7
Total power budget when using DCW power source (10.8-36VDC)	27.9
Optional components	
2 clients of 802.3af (PoE) connected	30.8
1 client of 802.3at (PoE+) connected	30.0
Fiber used as backhaul	1.2
USB 2.0/3.0 add-on module connected	4.5
Total Power Consumption	
Total power consumption when AC powered (100-240VAC)	64.5
Total power consumption when DC powered (44-57VDC)	56.2
Total power consumption when DCW powered (10.8-36VDC)	64.4



Note For IW-6300H-DC-x-K9, when you use DC as input power option, if you want to output 802.3at type 2 PoE out power, DC input must $\geq 51V$. If you want to output 802.3af (802.3at type 1) PoE out power, DC input must $\geq 45V$.