## AIR-AP1562I-E-K9 Datasheet



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### Overview

Cisco Aironet® 1560 Series Outdoor Access Points offer the latest 802.11 ac Wave 2 functions in a rugged, low-profile housing that service providers and enterprises can deploy easily.

Ideal for applications requiring rugged outdoor Wi-Fi coverage, the Cisco Aironet 1560 Series Access Points offer the latest IEEE 802.11 ac Wave 2 radio standard in a compact, aesthetically pleasing, easy-to-deploy package. The 1560 Series offers flexible deployment options for service providers and enterprise networks, that need the fastest links possible for mobile, outdoor clients (smartphones, tablets, and laptops) and wireless backhaul. With options for internal or external antennas, the 1560 Series Access Points give network operators the flexibility to balance their desired wireless coverage with their need for easy deployment.

#### **Quick Specification**

#### Table 1 shows the quick specs of AIR-AP1562I-E-K9.

Part Number	AIR-AP1562I-E-K9			
Description	802.11ac Wave 2 Low-Profile Outdoor AP, Internal Antenna, E Regulatory Domain			
802.11ac Wave 1 and 2 capabilities	• 3 x 3 MIMO with three spatial streams			
	• Multi- and single-user MIMO			
	Maximal Ratio Combining (MRC)			
	• 802.11ac beamforming (transmit beamforming)			
	• 20-, 40-, and 80-MHz channels			
	• PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz)			
	• Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx)			
	• 802.11 Dynamic Frequency Selection (DFS)			
	• Cyclic-Shift-Diversity (CSD) support			
Regulatory Domain	E (E Regulatory Domain):			
	• 2.412 to 2.472 GHz, 13 channels			
	• 5.500 to 5.580 GHz, 5 channels			
	• 5.660 to 5.700 GHz, 3 channels			
Antenna	Internal Antenna			
	• WAN port 10/100/1000BASE-T Ethernet, autosensing (RJ-45), PoE in			
	• SFP port (fiber or electrical)			
Interfaces	• Management console port (RJ-45)			
Interfaces	Multicolor LED			
	• DC power input			
	• Reset button			
Dimensions (W x L x H)	9.0 x 6.8 x 3.9 in. (22.9 x 17.1 x 9.8 cm)			
Weight	5.6 lb (2.5 kg)			



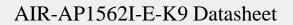




Figure 1 shows the appearance of AIR-AP1562I-E-K9.



#### **Get More Information**

Do you have any question about the AIR-AP1562I-E-K9?

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## Specification

AIR-AP1562I-E-K9 Specification				
Description	802.11ac Wave 2 Low-Profile Outdoor AP, Internal Antenna, E Regulatory Domain			
	E (E Regulatory Domain):			
Developments	• 2.412 to 2.472 GHz, 13 channels			
Regulatory Domain	• 5.500 to 5.580 GHz, 5 channels			
	• 5.660 to 5.700 GHz, 3 channels			
	• 3 x 3 MIMO with three spatial streams			
802.11n (and related) capabilities	• MRC			
	• 20- and 40-MHz channels			



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	• PHY data rates up to 450 Mbps				
	• Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx)				
	• 802.11 DFS				
	• CSD support				
802.11ac Wave 1 and 2 capabilities	• 3 x 3 MIMO with three spatial streams				
	• Multi- and single-user MIMO				
	Maximal Ratio Combining (MRC)				
	• 802.11ac beamforming (transmit beamforming)				
	• 20-, 40-, and 80-MHz channels				
	• PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz)				
	• Packet aggregation: A-MPDU (Tx/Rx) and A-MSDU (Tx/Rx)				
	• 802.11 Dynamic Frequency Selection (DFS)				
	• Cyclic-Shift-Diversity (CSD) support				
Antenna type	Internal Antenna				
Maximum conducted transmit power	• 2.4 GHz: 29 dBm with 3 antennas				
maximum conducted transmit power	• 5 GHz: 29 dBm with 3 antennas				
	• WAN port 10/100/1000BASE-T Ethernet, autosensing (RJ-45), PoE in				
	• SFP port (fiber or electrical)				
Interfaces	• Management console port (RJ-45)				
interfaces	Multicolor LED				
	• DC power input				
	• Reset button				
Uplink options	Ethernet, SFP, and wireless mesh				
Dimensions (W x L x H)	9.0 x 6.8 x 3.9 in. (22.9 x 17.1 x 9.8 cm)				
Weight	5.6 lb (2.5 kg)				
	Operating temperature:				
	• -40 to 65°C (-40 to 149°F) ambient air with no solar loading				
	• -40 to 55°C (-40 to 131°F) ambient air with solar loading				
Environmental	Storage temperature: -40 to 85°C (-40 to 185°F)				
	Humidity: 5 - 95%, non-condensing				
	Wind resistance:				
	• Up to 100-mph sustained winds				
	• Up to 165-mph wind gusts				
Power consumption	32 W (3x3:3, full power)				
	• AC (with AIR-PWRADPT-RGD1=, AC/DC outdoor power adapter)				
	• 44–57 VDC input				
	• Universal Power of Ethernet (Cisco UPoE+ and Cisco UPoE), 802.3at				
Powering options	• Cisco power injectors:				
Powering options	AIR-PWRINJ-60RGD1= (outdoor rated, 60W, with NEMA 5-15 AC plug)				
	AIR-PWRINJ-60RGD2= (outdoor rated, 60W, unterminated AC cable)				
	AIR-PWRINJ6= (indoor, 802.3at)				
	Note: If 802.3at Power over Ethernet (PoE) is the source of power, the 1562I radios will shift from 3 x 3 to 2 x 2.				



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