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## Overview

The Cisco® Aironet® 1530 Series Outdoor Access Points incorporate a low-profile design that is aesthetically pleasing, yet they can withstand the most rugged outdoor conditions. Cisco brings engineering innovation to the platform with unique Cisco Flexible Antenna Port technology that allows the same antenna ports to be used either for dual-band antennas to reduce the antenna footprint or for single-band antennas to optimize radio coverage. This flexibility allows antenna changes to be made on the fly, and saves on sparing costs. And the Cisco Aironet 1530 Series brings all the same robust Wi-Fi features that operators have come to expect from Cisco, including radio resource management, BandSelect to automatically take advantage of the 5-GHz band, and VideoStream for high-quality video performance over Wi-Fi. Only Cisco delivers all of these features in a hardened outdoor access point that is ideal for any urban setting.

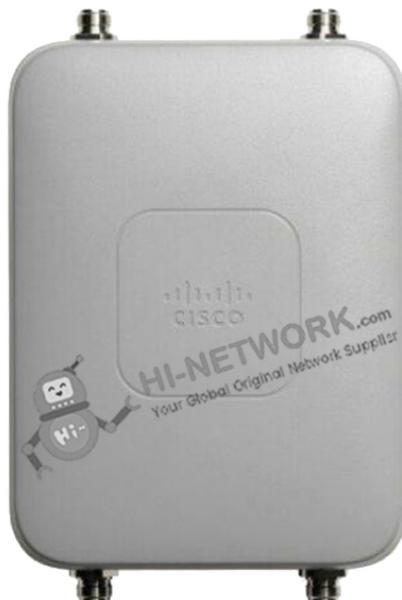
## Quick Specification

Table 1 shows the quick specs of AIR-CAP1532E-H-K9.

Part Number	AIR-CAP1532E-H-K9
Description	802.11n Low-Profile Outdoor AP, External Antenna, H Regulatory Domain
Regulatory Domain	<p>H (H regulatory domain):</p> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.745 to 5.825 GHz; 5 channels</li> </ul>
802.11n (and related) capabilities	<ul style="list-style-type: none"> <li>• 2x2 MIMO with 2 spatial streams (2.4 GHz) and 2x2 MIMO with 2 spatial streams (5 GHz)</li> <li>• 20-MHz (2.4 and 5 GHz) and 40-MHz (5 GHz only) channels</li> <li>• PHY data rates up to 300 Mbps</li> <li>• Packet aggregation: A-MPDU (Tx/Rx)</li> <li>• 802.11 dynamic frequency selection (DFS)</li> <li>• Cyclic shift diversity (CSD) support</li> </ul>
Antenna Gain	<ul style="list-style-type: none"> <li>• External dual-band omnidirectional antennas                             <ul style="list-style-type: none"> <li>◦ AIR-ANT2547VG-N (4dBi, 2.4 GHz; 7 dBi, 5 GHz)</li> </ul> </li> <li>• External dual-band directional antennas                             <ul style="list-style-type: none"> <li>◦ AIR-ANT2588P3M-N= (8 dBi, 2.4 and 5 GHz)</li> </ul> </li> <li>• External single-band antennas                             <ul style="list-style-type: none"> <li>◦ 2.4 GHz                                     <ul style="list-style-type: none"> <li>◦ AIR-ANT2450V-N (5 dBi, omni)</li> <li>◦ AIR-ANT2480V-N (8 dBi, omni)</li> </ul> </li> <li>◦ AIR-ANT2413P2M-N= (13 dBi, dual polarized patch)</li> </ul> </li> <li>• 5 GHz                             <ul style="list-style-type: none"> <li>◦ AIR-ANT5180V-N (8 dBi, omni)</li> <li>◦ AIR-ANT5114P2M-N= (14 dBi, dual polarized patch)</li> </ul> </li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>• WAN port: 10/100/1000BASE-T Ethernet, autosensing (RJ-45)</li> <li>• LAN port: 10/100/1000BASE-T Ethernet, autosensing (RJ-45)</li> </ul>

	<ul style="list-style-type: none"> <li>• Management console port (RJ-45) with Reset button</li> <li>• DC power input</li> <li>• Multicolor LED</li> </ul>
Dimensions (W x L x H)	10 x 7 x 4 in. (26 x 17 x 10 cm) Volume: 186 cubic in. (3.0 liters)
Weight	5.5 lb (2.5 kg)

Figure 1 shows the appearance of AIR-CAP1532E-H-K9.



## Get More Information

Do you have any question about the AIR-CAP1532E-H-K9?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

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802.11n (and related) capabilities	<ul style="list-style-type: none"> <li>• 2x2 MIMO with 2 spatial streams (2.4 GHz) and 2x2 MIMO with 2 spatial streams (5 GHz)</li> <li>• 20-MHz (2.4 and 5 GHz) and 40-MHz (5 GHz only) channels</li> <li>• PHY data rates up to 300 Mbps</li> <li>• Packet aggregation: A-MPDU (Tx/Rx)</li> </ul>

# AIR-CAP1532E-H-K9 Datasheet



	<ul style="list-style-type: none"> <li>• 802.11 dynamic frequency selection (DFS)</li> <li>• Cyclic shift diversity (CSD) support</li> </ul>
Maximum Equivalent Isotropically Radiated Power (EIRP)	<p>Tx power plus external antenna gain.</p> <p>Note: The maximum EIRP will vary by channel and according to individual country regulations. Refer to the product documentation for specific details.</p>
3G/LTE/WiMAX Co-Location	3G/LTE/WiMAX signal rejection: 33-45 dB. Refer to product documentation for specific details.
Interfaces	<ul style="list-style-type: none"> <li>• WAN port: 10/100/1000BASE-T Ethernet, autosensing (RJ-45)</li> <li>• LAN port: 10/100/1000BASE-T Ethernet, autosensing (RJ-45)</li> <li>• Management console port (RJ-45) with Reset button</li> <li>• DC power input</li> <li>• Multicolor LED</li> </ul>
Dimensions (W x L x H)	10 x 7 x 4 in. (26 x 17 x 10 cm) Volume: 186 cubic in. (3.0 liters)
Weight	5.5 lb (2.5 kg)
Environmental	<p>Operating temperature: -30° to 65°C (-22° to 149°F) ambient; -30° to 55°C (-22° to 131°F) with solar loading (1200 W/m<sup>2</sup>)</p> <p>Storage temperature: -50° to 85°C (-58° to 185°F)</p> <p>Operating altitude: 10,000 ft (3048 m)</p> <p>Humidity: 0 - 100%, condensing</p> <p>Wind resistance:</p> <ul style="list-style-type: none"> <li>• Up to 100 mph sustained winds</li> <li>• Up to 140 mph wind gusts</li> </ul>
Antenna Gain	<ul style="list-style-type: none"> <li>• External dual-band omnidirectional antennas                             <ul style="list-style-type: none"> <li>◦ AIR-ANT2547VG-N (4dBi, 2.4 GHz; 7 dBi, 5 GHz)</li> </ul> </li> <li>• External dual-band directional antennas                             <ul style="list-style-type: none"> <li>◦ AIR-ANT2588P3M-N= (8 dBi, 2.4 and 5 GHz)</li> </ul> </li> <li>• External single-band antennas                             <ul style="list-style-type: none"> <li>◦ 2.4 GHz                                     <ul style="list-style-type: none"> <li>◦ AIR-ANT2450V-N (5 dBi, omni)</li> <li>◦ AIR-ANT2480V-N (8 dBi, omni)</li> </ul> </li> <li>◦ AIR-ANT2413P2M-N= (13 dBi, dual polarized patch)</li> <li>◦ 5 GHz                                     <ul style="list-style-type: none"> <li>◦ AIR-ANT5180V-N (8 dBi, omni)</li> <li>◦ AIR-ANT5114P2M-N= (14 dBi, dual polarized patch)</li> </ul> </li> </ul> </li> </ul>
Power consumption	< 25 W
Powering options	<ul style="list-style-type: none"> <li>• 24 to 57 VDC</li> <li>• Power over Ethernet (PoE) (802.3at or Cisco Universal PoE [UPoE])</li> </ul>
Compliance	<p>Safety</p> <ul style="list-style-type: none"> <li>• UL 60950, 2nd Edition</li> <li>• CAN/CSA-C22.2 No. 60950, 2nd Edition</li> <li>• IEC 60950, 2nd Edition</li> <li>• EN 60950, 2nd Edition</li> </ul> <p>Immunity</p> <ul style="list-style-type: none"> <li>• &lt;= 5 mJ for 6kV/3kA @ 8/20 ms waveform</li> <li>• ANSI/IEEE C62.41</li> <li>• EN61000-4-5 Level 4 AC Surge Immunity</li> </ul>



	<ul style="list-style-type: none"> <li>● EN61000-4-4 Level 4 Electrical Fast Transient Burst Immunity</li> <li>● EN61000-4-3 Level 4 EMC Field Immunity</li> <li>● EN61000-4-2 Level 2 ESD Immunity</li> <li>● EN60950 Overvoltage Category IV</li> </ul> <p>Radio approvals</p> <ul style="list-style-type: none"> <li>● FCC Part 15.247, 15.407</li> <li>● FCC Bulletin OET-65C</li> <li>● RSS-210</li> <li>● RSS-102</li> <li>● AS/NZS 4268.2003</li> <li>● ARIB-STD 66 (Japan)</li> <li>● ARIB-STD T71 (Japan)</li> <li>● EN 300 328</li> <li>● EN 301 893</li> </ul> <p>EMI and susceptibility</p> <ul style="list-style-type: none"> <li>● FCC part 15.107, 15.109</li> <li>● ICES-003</li> <li>● EN 301 489-1, -17</li> </ul> <p>Security</p> <ul style="list-style-type: none"> <li>● Wireless bridging/mesh             <ul style="list-style-type: none"> <li>◦ X.509 digital certificates</li> <li>◦ MAC address authentication</li> <li>◦ Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP)</li> </ul> </li> <li>● Wireless access             <ul style="list-style-type: none"> <li>◦ 802.11i, Wi-Fi Protected Access (WPA2), WPA</li> <li>◦ 802.1X authentication, including Extensible Authentication Protocol (EAP) and Protected EAP (EAP-PEAP), EAP Transport Layer Security (EAP-TLS), EAP-Tunneled TLS (EAP-TTLS), EAP-Subscriber Identity Module -d (EAP-SIM), and Cisco LEAP</li> <li>◦ VPN pass-through</li> <li>◦ IP Security (IPsec)</li> <li>◦ Layer 2 Tunneling Protocol (L2TP)</li> </ul> </li> <li>● MAC address filtering</li> </ul>
Warranty	1 year

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