Product Overview

The Cisco Aironet 1570 Series Outdoor Access Point (hereafter called the *access point* or *AP*) is a wireless outdoor access point which is designed for use in a variety of network configurations. The access point can be configured, monitored, and operated through a Cisco wireless LAN controller (hereafter called a *controller*). The controllers use a browser-based management system, a command-line interface (CLI), or the Cisco Prime Infrastructure (PI) network management system to manage the controller and the associated access points. The access point supports hardware-based advanced encryption standard (AES) encryption between wireless nodes to provide end-to-end security. The access point can also be deployed in an autonomous mode and be configured via the CLI.
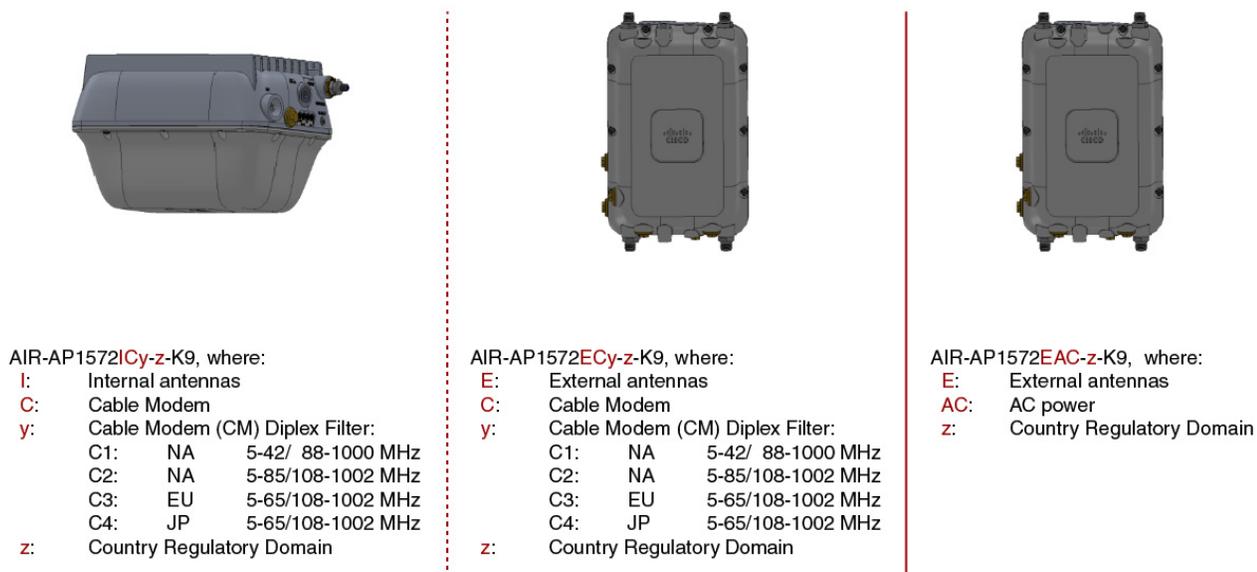
Access Point Models

The Cisco Aironet 1570 Series Outdoor Access Point is available in three models: AP1572IC, AP1572EC, and AP1572EAC. The features of these models are described in the following table:

Model	AP1572IC	AP1572EC	AP1572EAC
Antennas	Internal antennas	External antennas	
Input power options	• Power-over-Cable, via Cable Modem • DC	• Power-over-Cable, via Cable Modem • DC • PoE-In (Standard UPoE or AIR-PWRINJ1500-2 power injector)	• AC Power • DC • PoE-In (Standard UPoE or AIR-PWRINJ1500-2 power injector)
Output power options	—	PoE-Out (supporting up to 802.3at devices). Not available when PoE-In voltage is present.	
Radio	4Tx-4Rx: 3 Spatial Streams (Simultaneous dual-band radio consisting of an 802.11ac Wave 1 4x4:3 5 GHz radio and 4x4:3 802.11n 2.4 GHz radio.)		
Equivalent Isotropically Radiated Power (EIRP)	The maximum allowed by regional regulatory laws, is provided.		
	Capable of 34/36 dBm	Capable of 36/38 dBm	
Backhaul	Cable Modem, Ethernet, Fiber, and Mesh	Ethernet, Fiber, and Mesh	
Installation Options	Cable Strand, Pole, and Wall mounting options are possible for all models.		

Model	AP1572IC	AP1572EC	AP1572EAC
Global Positioning System (GPS) location module	Available on all models. Works only with the optionally available GPS antenna.		
External Module option	To support possible future modules, the AP has a dedicated port that allows connection of an external module to the AP's internal UART interface.		

Product IDs and Supported Regulatory Domains

Figure 1-1   Product ID Nomenclature of Access Point Models

The 1570 series access points have product IDs in the format **AIR-AP1572xyy-z-K9**, where:

- **x** indicates the type of antennas. The options are:
  - **I**—indicating internal antennas.
  - **E**—indicating external antennas.
- **yy** indicates the cable modem type. The models with cable modems can be powered by Power-over-cable or DC power. The options are:
  - **C1**—Indicates Power-over-cable with North American domain (N4) cable modem supporting 5-42/ 54-1000 MHz Diplex Filter, and 8x4 or 16x4 channel bonding options.
  - **C2**— Indicates Power-over-cable with North American domain (N8) cable modem supporting 5-85/108-1002 MHz Diplex Filter, and 8x4 or 16x8 or 24x8 channel bonding options.
  - **C3**—Indicates Power-over-cable with European domain (E8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options.
  - **C4**—Indicates Power-over-cable with Japanese domain (J8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options.
  - **AC**— indicates AC power supply, applicable only to external antenna models.

- **z** indicates the regulatory domain. The supported regulatory domains are:
  - A, B, C, D, E, F, H, K, M, N, Q, R, S, T, Z

Click this URL to browse to a list of countries and regulatory domains supported by the 1570:

www.cisco.com/go/aironet/compliance

Product IDs of Access Point Models in the Cisco Aironet 1570 Series

The following table shows the nine product IDs based on radios, antenna types and powering options:

| Product ID	Description of Radios, Antenna Types, Power options
With External Antennas and powered by AC power	
AIR-AP1572EAC-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with external antennas • AC, DC, or PoE input power
With External Antennas and powered by Power-over-Cable	
AIR-AP1572EC1-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with external antennas • Power-over-cable with North American domain (N4) cable modem supporting 5-42/54-1000 MHz Diplex Filter, and 8x4 or 16x4 channel bonding options
AIR-AP1572EC2-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with external antennas • Power-over-cable with North American domain (N8) cable modem supporting 5-85/108-1002 MHz Diplex Filter, and 8x4 or 16x8 or 24x8 channel bonding options
AIR-AP1572EC3-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with external antennas • Power-over-cable with European domain (E8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options
AIR-AP1572EC4-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with external antennas • Power-over-cable with Japanese domain (J8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options
With Internal Antennas and powered by Power-over-Cable	
AIR-AP1572IC1-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with internal antennas • Power-over-cable with North American domain (N4) cable modem supporting 5-42/54-1000 MHz Diplex Filter, and 8x4 or 16x4 channel bonding options
AIR-AP1572IC2-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with internal antennas • Power-over-cable with North American domain (N8) cable modem supporting 5-85/108-1002 MHz Diplex Filter, and 8x4 or 16x8 or 24x8 channel bonding options
AIR-AP1572IC3-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with internal antennas • Power-over-cable with European domain (E8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options
AIR-AP1572IC4-z-K9	• Two radios (4x4:3 5 GHz and 4x4:3 2.4 GHz) with internal antennas • Power-over-cable with Japanese domain (J8) cable modem supporting 5-65/108-1002 MHz Diplex Filter, and 8x4 or 16x4 or 24x8 channel bonding options

Parts of each Access Point Model

The parts, ports, and connectors of each side of each AP model is illustrated in the following sections.
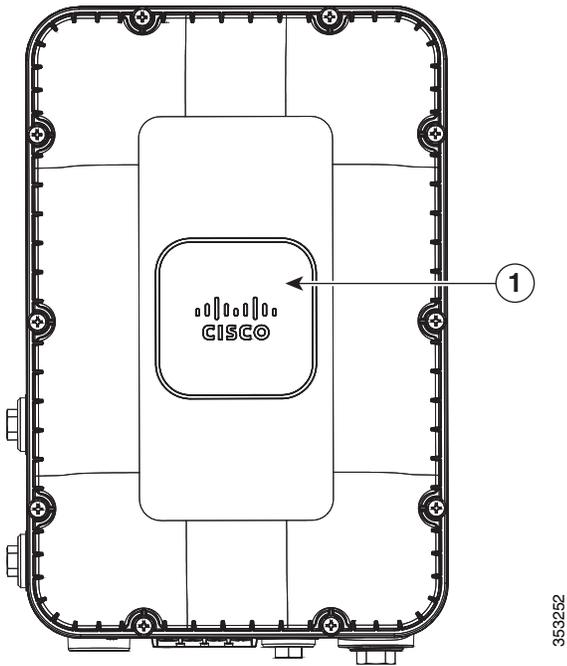
Face of the AP

The Face of the access point has the recognizable Cisco logo on it. It is devoid of any ports and connectors. For AP1572EC and AP1572EAC models, the face of the AP has screw holes on it (see Figure 1-2 and Figure 1-3), which support mounting an external module in future applications.

Figure 1-2   Face of the AP, on AP1572EC and AP1572EAC models
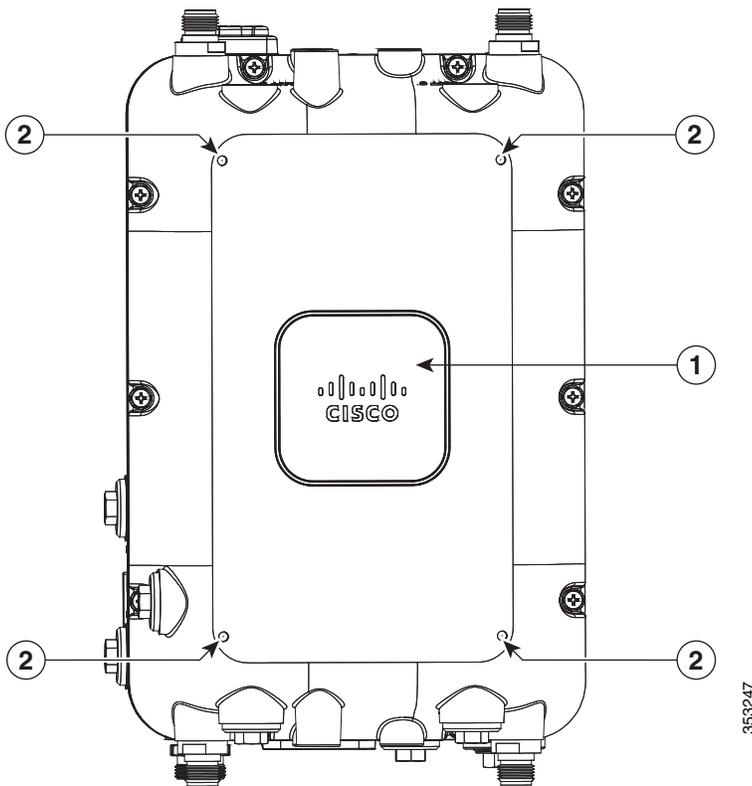
1	Cisco logo	2	Screw holes for future external module support.

Figure 1-3   ***Face of the AP, on AP1572IC model***
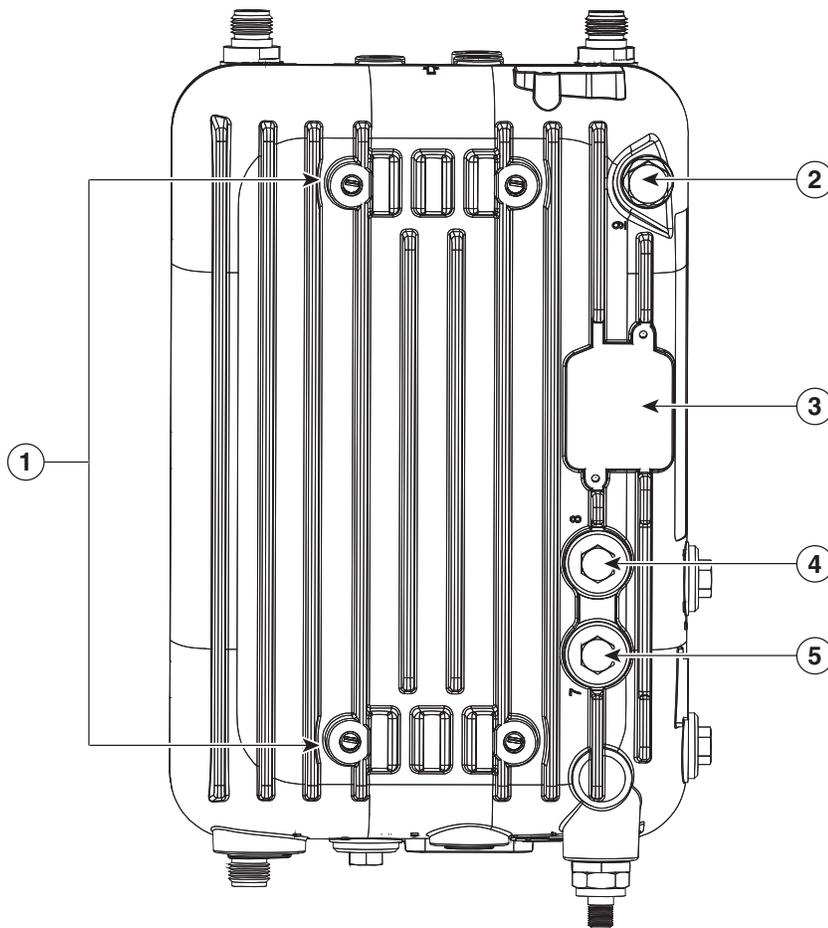

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| **1**	Cisco logo

Back of the AP

The Back of the access point is identifiable by the radiation fins, and also the screw holes that are used when mounting the AP on the supported mounting kits. The back of the AP faces upwards when the AP is mounted in a horizontal orientation. The back of the AP on AP1572IC and AP1572EC (see Figure 1-4) is different from that of AP1572EAC (see Figure 1-5).

Figure 1-4   *Back of the AP on AP1572IC and AP1572EC*

1	Four screw holes for M8 x16mm bolts used to fasten the AP onto mounting kits.	2	Port for GPS antenna connector.
3	Spot for mounting the GPS antenna.	4	Screw covering Fuse/Shunt port, labeled "8". Fuse/Shunt port is provided only in AP1570IC and AP1570EC models. Not provided in AP1570EAC model.
5	Screw covering Cable RF Attenuator, labeled "7". Cable RF Attenuator provided only in AP1570IC and AP1570EC models. Not provided in AP1570EAC model.		

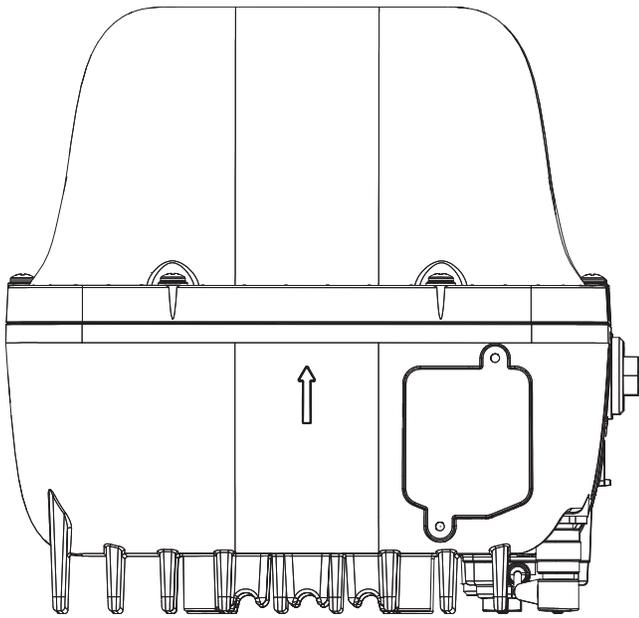*Figure 1-5*   *Back of the AP on AP1572EAC*
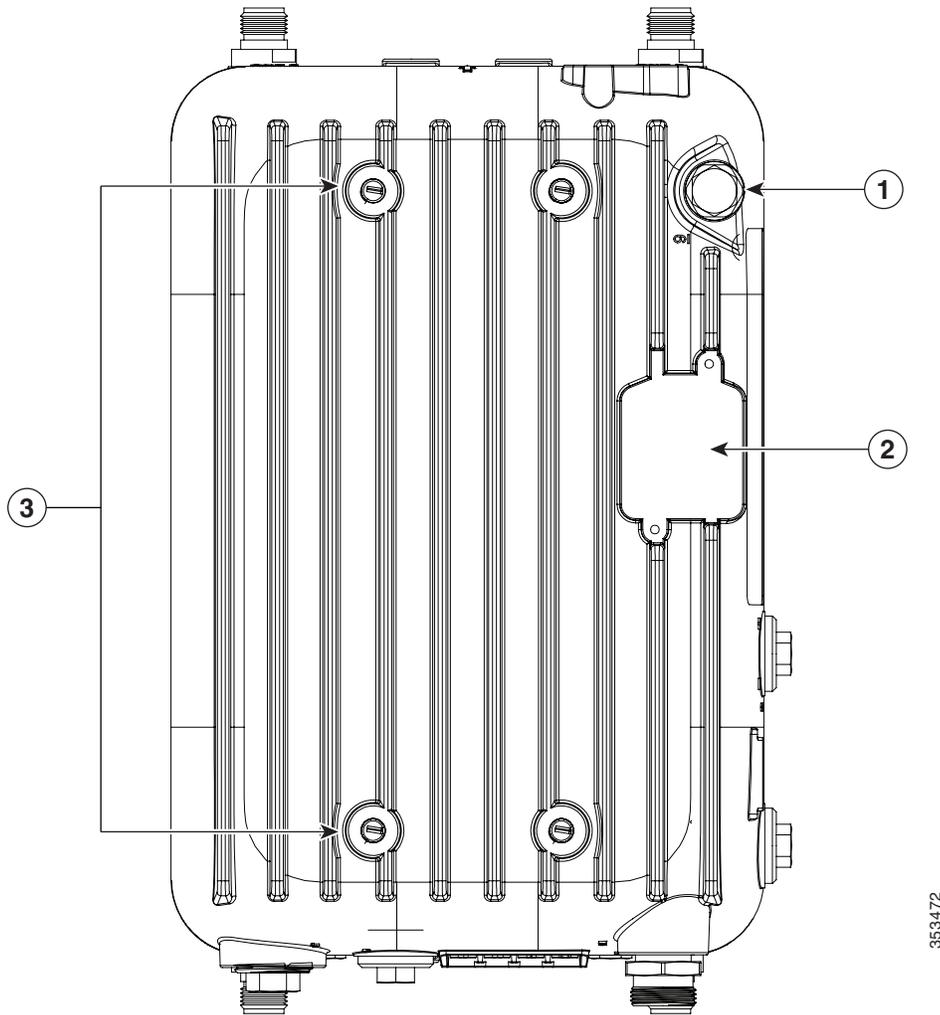
| 1	Port for GPS antenna connector.	2	Spot for mounting the GPS antenna.
3	Four screw holes for M8 x16mm bolts used to fasten the AP onto mounting kits.		

Head of the AP

The Head of the AP faces upwards when the AP is mounted in a vertical orientation. The head of the AP for the internal antenna model is devoid of any ports and connectors (see Figure 1-6), and is different from that of the external antenna models (see Figure 1-7).

Figure 1-6   *Head of the AP, on AP1572IC model*

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*Figure 1-7*   *Head of the AP, on AP1572EC and AP1572EACmodels*
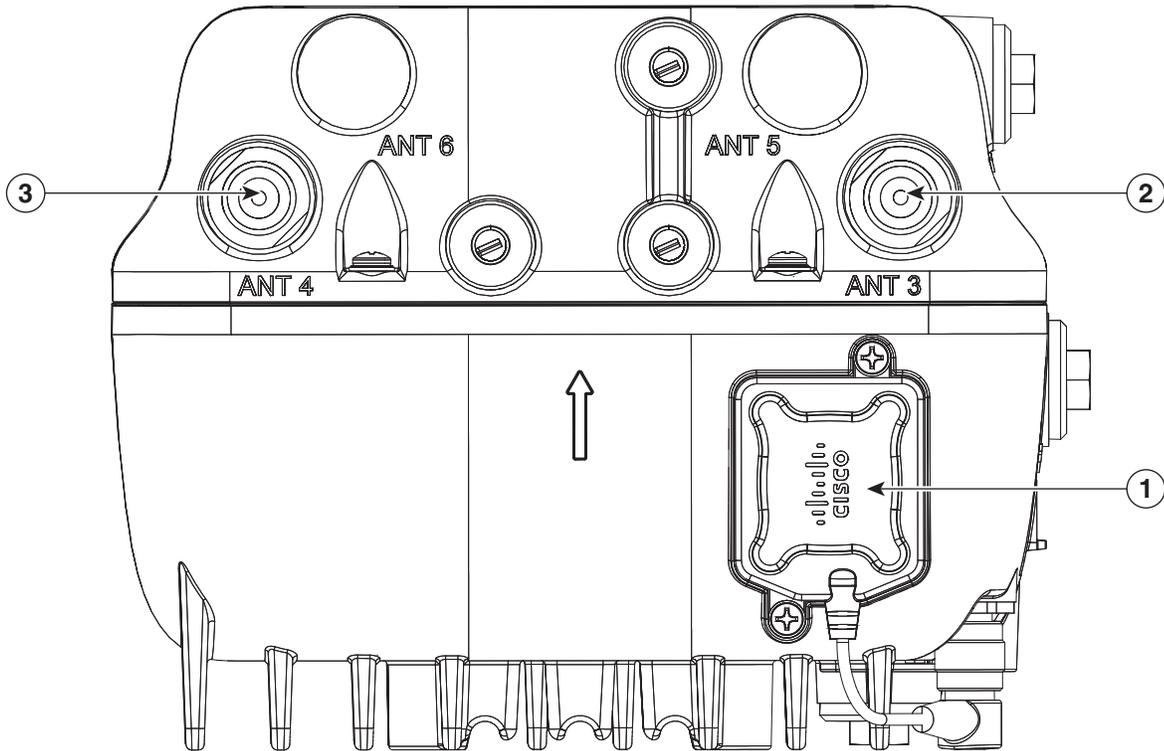
1	Spot for mounting the GPS antenna (here, showing the GP antenna mounted).	**2**	Antenna port labeled "3" on the AP
3	Antenna ports labeled "4" on the AP		

Base of the AP

The Base of the AP is identifiable by the four LED status lights and the Reset button on it. The base of the AP faces downwards when the AP is mounted in a vertical orientation. The base for different AP models is shown in Figure 1-8, Figure 1-9, and Figure 1-10.

Figure 1-8   Base of the AP on AP1572IC model
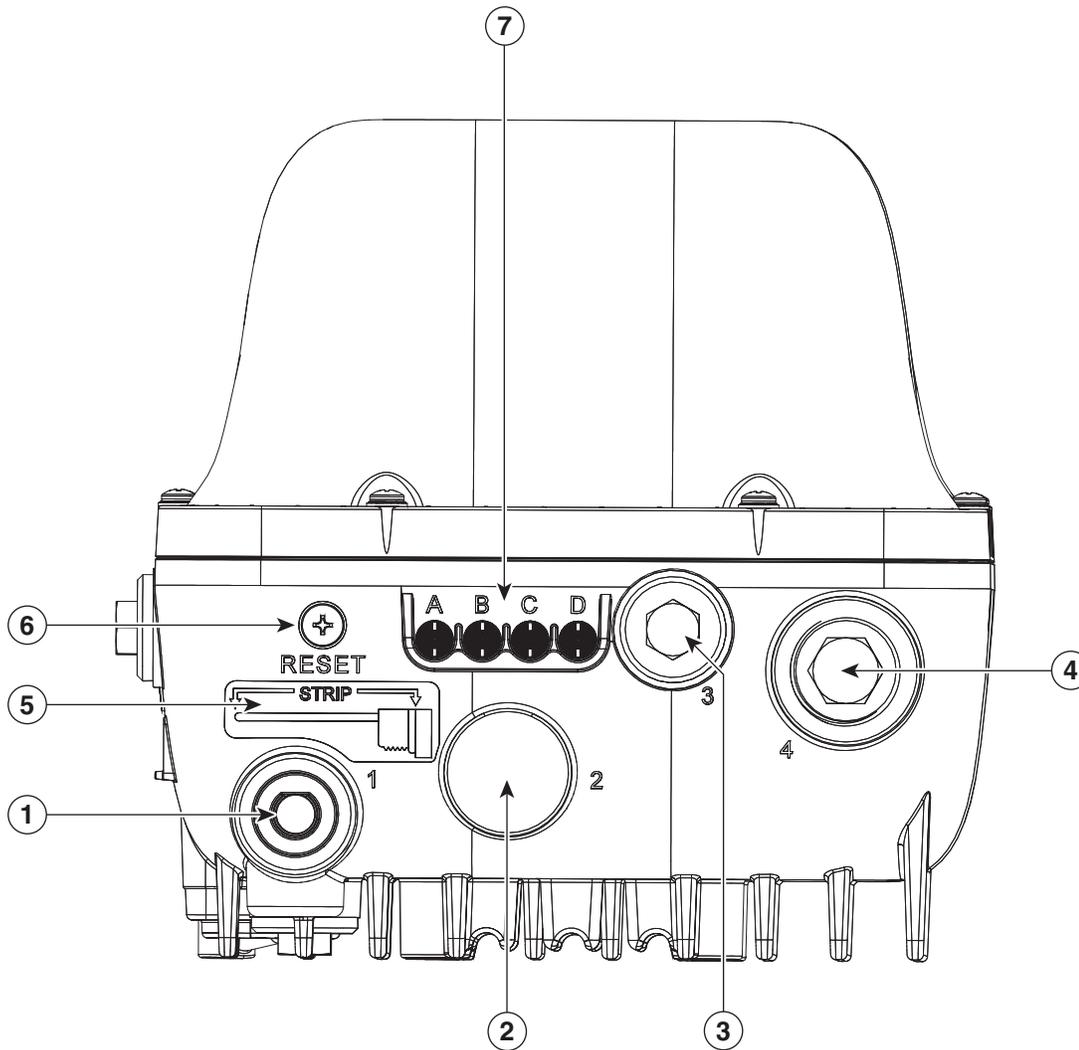
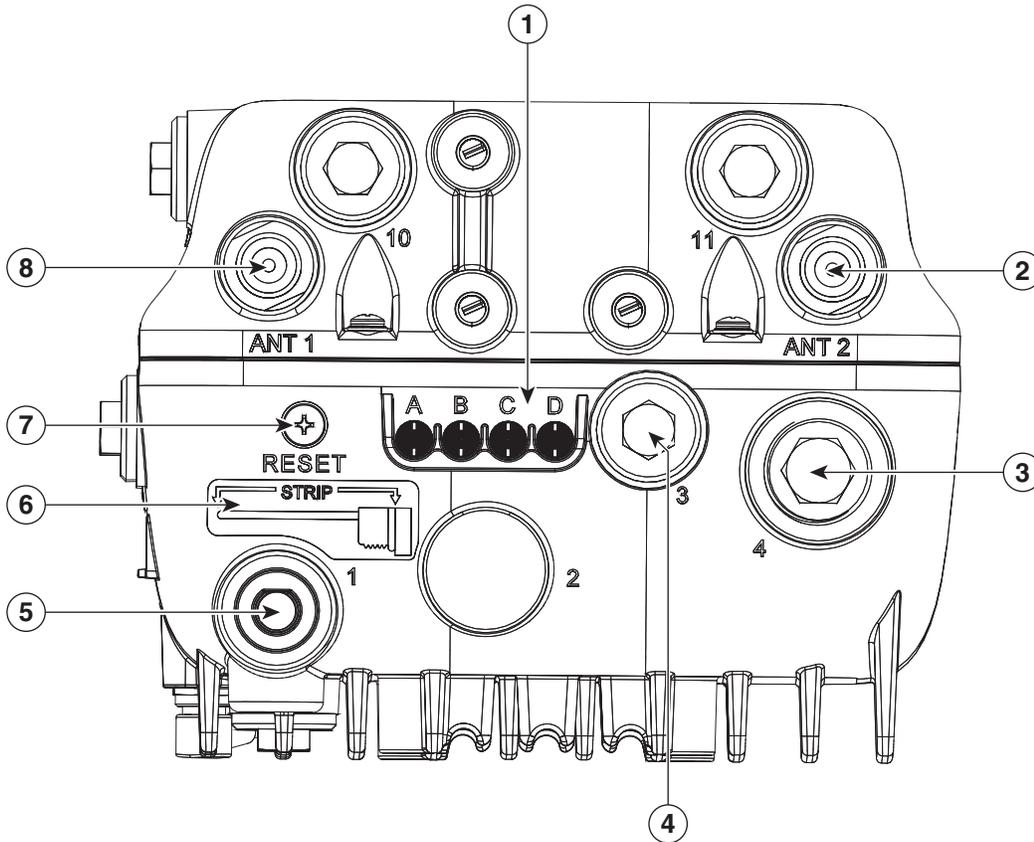| 1	Cable stinger port for Power-over-Cable.	2	Unused port slot
3	Ethernet port	4	SFP port
5	Stinger trim measure for cutting any non-Cisco cable stinger to size	6	Screw covering Reset Button
7	Status LEDs labeled "A" to "D"[1]		

1. The LEDs are visible when AP is installed in both horizontal and vertical orientations.

Figure 1-9*   *Base of the AP on AP1572EC model

1	Status LEDs labeled "A" to "D"[1]	**2**	Antenna N-type connector port 2
3	SFP port	**4**	Ethernet port
5	Cable stinger port for Power-over-Cable.	**6**	Stinger trim measure for cutting any non-Cisco cable stinger to size
7	Screw covering Reset Button	**8**	Antenna N-type connector port 1

1. The LEDs are visible when AP is installed in both horizontal and vertical orientations.

Figure 1-10   Base of the AP1572EAC model
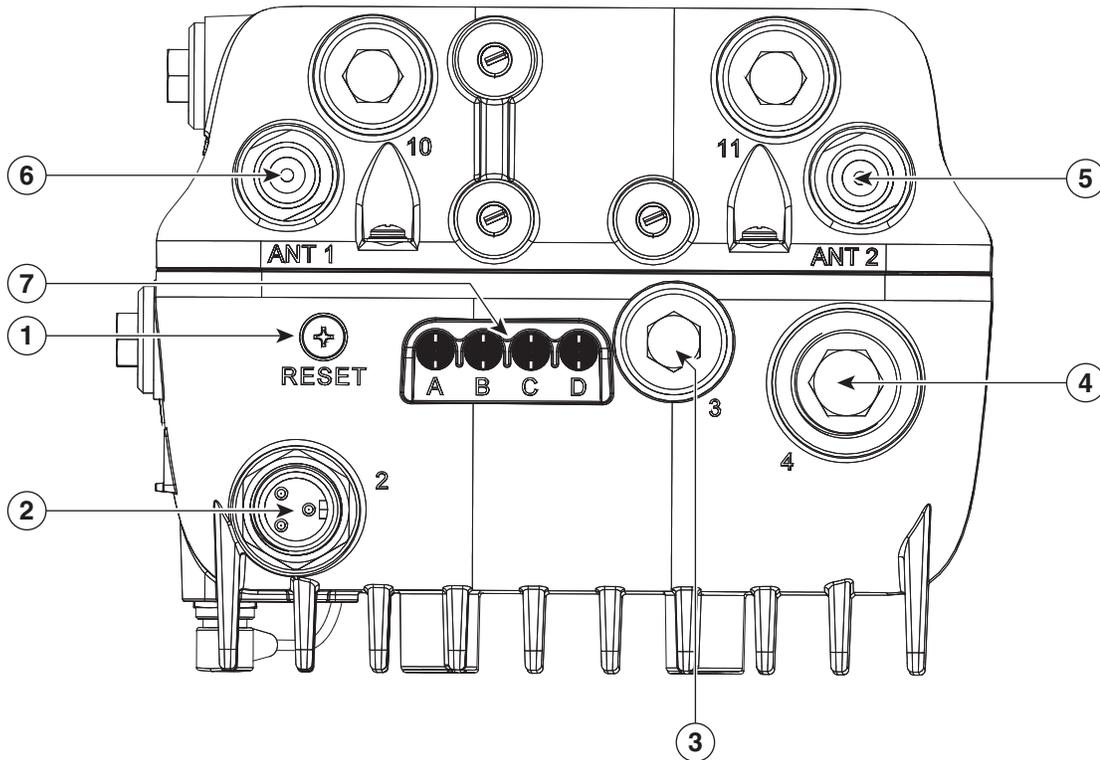

1	Screw covering Reset Button	**2**	AC Port
3	Ethernet port	**4**	SFP port
5	Antenna N-type connector port 2	**6**	Antenna N-type connector port 1
7	Status LEDs labeled "A" to "D"[1]		

1. The LEDs are visible when AP is installed in both horizontal and vertical orientations.

Left Side of the AP

The Left side of the access point is devoid of any ports and connectors. The left side of the AP is similar across all AP models (see Figure 1-11).
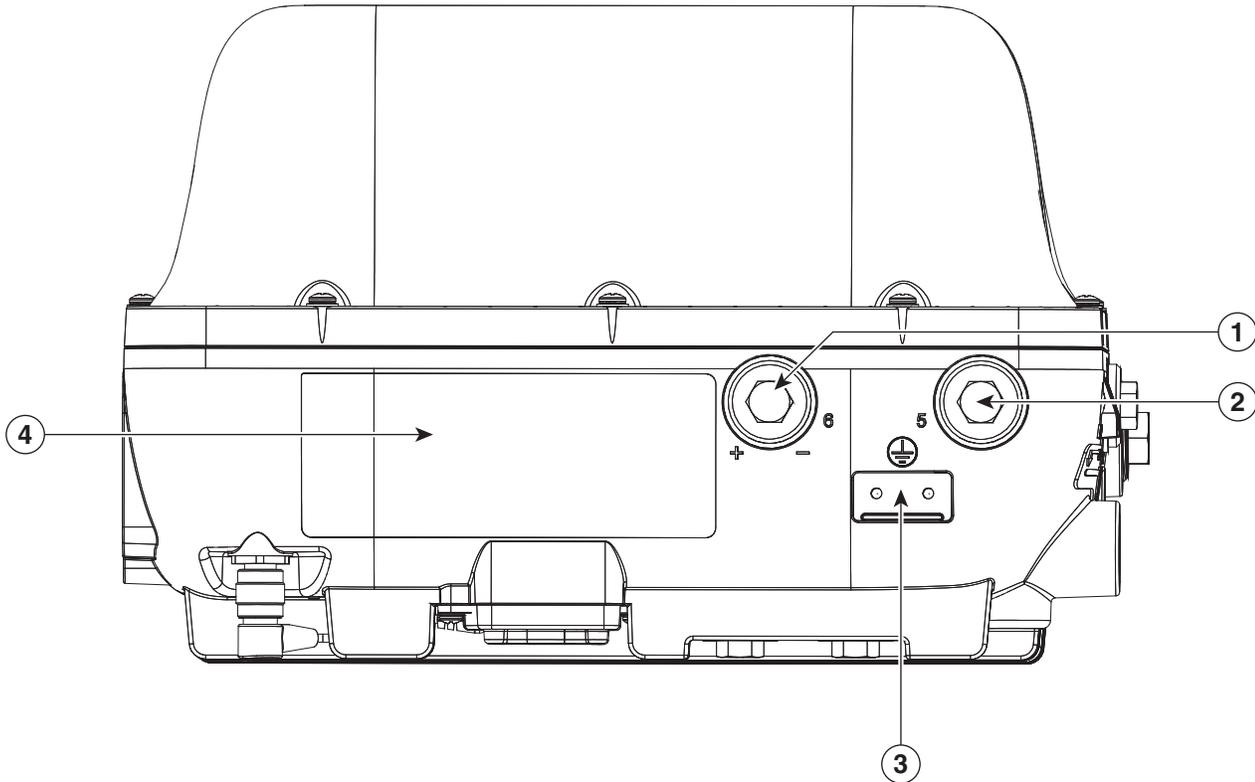
Figure 1-11   Left Side of the AP
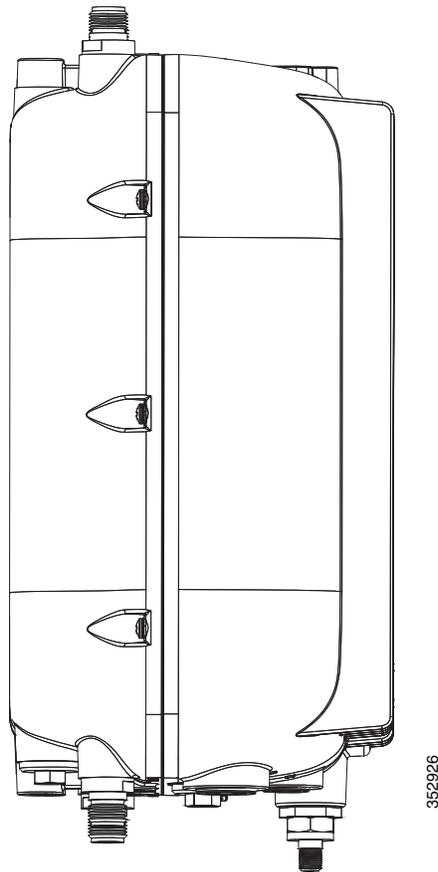
Right Side of the AP

The Right side of the access point is also called the Ground side, because it has the metal surface with the ground strap screw holes. The right side of the AP for the internal antenna model (see Figure 1-12) is different from that of the external antenna models (see Figure 1-13)
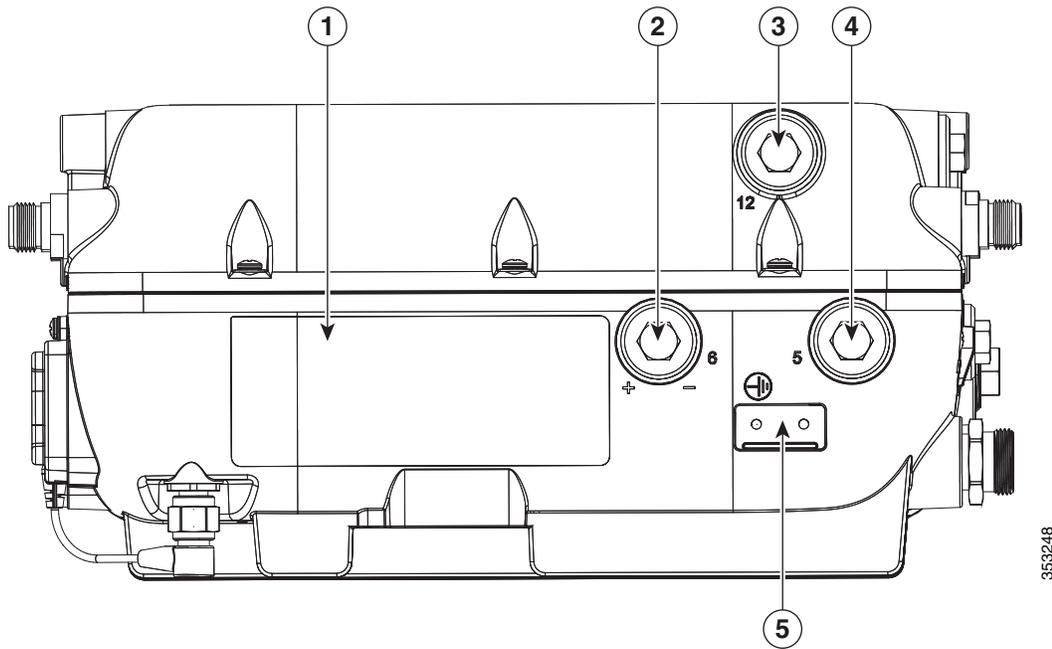
Figure 1-12   *Right side of the AP, on AP1572IC model*

1	DC power port, labeled "6" on the AP	**2**	Console port, labeled "5" on the AP[1]
3	Metal plate for attaching grounding lug	**4**	Labels showing Product ID and port numbering scheme

1. The console interface is via an RJ-45 port.

Figure 1-13   *Right side of the AP, on AP1572EC and AP1572EAC models*

1	Label showing Product ID and port numbering scheme	2	DC power port, labeled "6" on the AP
3	Serial port, labeled "12" on the AP	4	Console port, labeled "5" on the AP[1]
5	Metal plate for attaching grounding lug		

1. The console interface is via an RJ-45 port.