H3C WA6300 Series Access Points

Hardware Information and Specifications

New H3C Technologies Co., Ltd.
http://www.h3c.com

Document version: 6W101-20251125

Preface

H3C WA6300 Series Access Points Hardware Information and Specifications covers the chassis views, models, technical specifications, and LEDs of the WA6300 APs.

This preface includes the following topics about the documentation:

- Audience.
- Conventions.
- Documentation feedback.

Audience

This documentation is intended for:

- Network planners.
- Field technical support and servicing engineers.
- Network administrators working with the WA6300 Series Access Points.

Conventions

The following information describes the conventions used in the documentation.

Command conventions

Convention	Description
Boldface	**Bold** text represents commands and keywords that you enter literally as shown.
Italic	*Italic* text represents arguments that you replace with actual values.
[ ]	Square brackets enclose syntax choices (keywords or arguments) that are optional.
{ x | y | ... }	Braces enclose a set of required syntax choices separated by vertical bars, from which you select one.
[x | y | ...]	Square brackets enclose a set of optional syntax choices separated by vertical bars, from which you select one or none.
{ x | y | ... } *	Asterisk marked braces enclose a set of required syntax choices separated by vertical bars, from which you select a minimum of one.
[x | y | ...] *	Asterisk marked square brackets enclose optional syntax choices separated by vertical bars, from which you select one choice, multiple choices, or none.
&<1-n>	The argument or keyword and argument combination before the ampersand (&) sign can be entered 1 to n times.
#	A line that starts with a pound (#) sign is comments.

GUI conventions

Convention	Description
Boldface	Window names, button names, field names, and menu items are in Boldface. For example, the **New User** window opens; click **OK**.
>	Multi-level menus are separated by angle brackets. For example, **File** > **Create** > **Folder**.

Symbols

Convention	Description
WARNING!	An alert that calls attention to important information that if not understood or followed can result in personal injury.
CAUTION:	An alert that calls attention to important information that if not understood or followed can result in data loss, data corruption, or damage to hardware or software.
IMPORTANT:	An alert that calls attention to essential information.
NOTE:	An alert that contains additional or supplementary information.
TIP:	An alert that provides helpful information.

Network topology icons

Convention	Description
	Represents a generic network device, such as a router, switch, or firewall.
	Represents a routing-capable device, such as a router or Layer 3 switch.
	Represents a generic switch, such as a Layer 2 or Layer 3 switch, or a router that supports Layer 2 forwarding and other Layer 2 features.
	Represents an access controller, a unified wired-WLAN module, or the access controller engine on a unified wired-WLAN switch.
	Represents an access point.
	Represents a wireless terminator unit.
	Represents a wireless terminator.
	Represents a mesh access point.
	Represents omnidirectional signals.
	Represents directional signals.
	Represents a security product, such as a firewall, UTM, multiservice security gateway, or load balancing device.
	Represents a security module, such as a firewall, load balancing, NetStream, SSL VPN, IPS, or ACG module.

Examples provided in this document

Examples in this document might use devices that differ from your device in hardware model, configuration, or software version. It is normal that the port numbers, sample output, screenshots, and other information in the examples differ from what you have on your device.

Documentation feedback

You can e-mail your comments about product documentation to info@h3c.com.

We appreciate your comments.

Contents

Product overview

The WA6300 AP series includes the models in Table 1.

Table 1 WA6300 AP series models

Product code	Product model	Remarks
EWP-WA6320-FIT	WA6320	Indoor AP
EWP-WA6330-FIT	WA6330	
EWP-WA6320H-FIT	WA6320H	
EWP-WA6320H-HI-FIT	WA6320H-HI	Walljack AP

Chassis views and technical specifications

WA6320

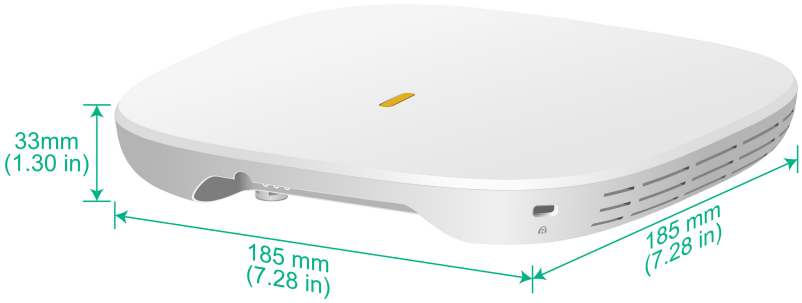
Chassis view

Chassis view

Figure 1 Chassis view

Chassis dimensions

Figure 2 Chassis dimensions



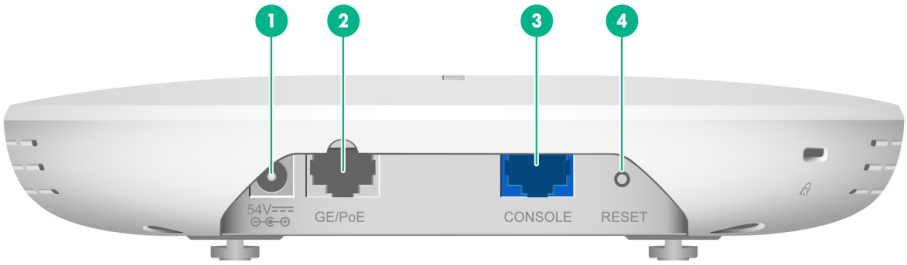
Ports

The AP provides the following ports:

- One console port
- One GE/PoE port
- One power port

It provides also a reset button and a security screw hole.

Figure 3 Ports on the AP



(1) Power port	(2) GE/PoE port
(3) Console port	(4) Reset button

Technical specifications

Table 2 Technical specifications

Item	Specification
Dimensions (H × W × D)	33 × 185 × 185 mm (1.30 × 7.28 × 7.28 in)
Weight	423 g (14.92 oz)
Antenna	Built-in antenna: • 2.4 GHz: 3 dBi gain • 5 GHz: 5 dBi gain
Power consumption	• Standby: 3.06W • Operating: ≤ 12.42 W
Protocol	• 802.11b/g/a/n/ac/ax • 802.3af • Dual-frequency
Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	5% RH to 95% RH, noncondensing
Storage temperature	5% RH to 95% RH, noncondensing
Protection class	IP41
Console port	Used by technical personnel only for device configuration and management.
GE/PoE	10/100/1000M Ethernet copper port, used for connecting the AP to an uplink device for Internet or MAN access. It can also receive PoE power from the uplink device. When the AP operates in fit mode, the port is represented by interface number GE1/0/1 in the MAP file and GigabitEthernet 1 for configuration on the AC..
Power port (54 V)	Used for receiving +54 VDC power from a local power source.
Reset button	The function of the reset button varies by duration in which it is pressed. For more information, see "LED description for the reset button."
LEDs	Yellow/green/blue. For more information about the LED status in different AP operating modes, see "LED descriptions for single-LED APs."

WA6320H

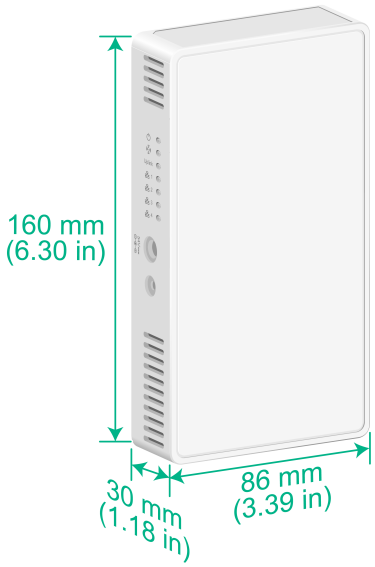
Chassis view

Chassis view

Figure 4 Chassis view

Chassis dimensions

Figure 5 Chassis dimensions



Ports and LEDs

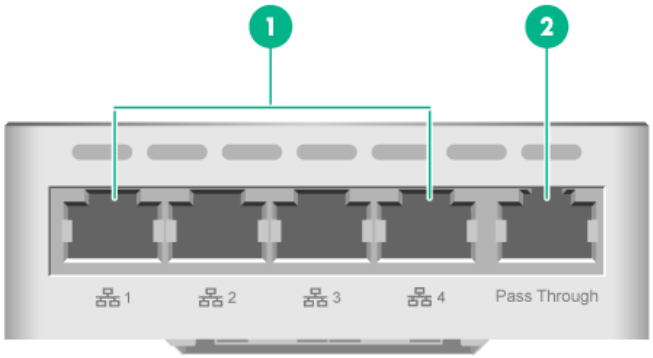
Ports

The AP provides the following ports:

- One console port
- Four 10/100/1000M Ethernet copper ports
- One power port
- Two pass-through ports
- One uplink/PoE in port
- One USB port

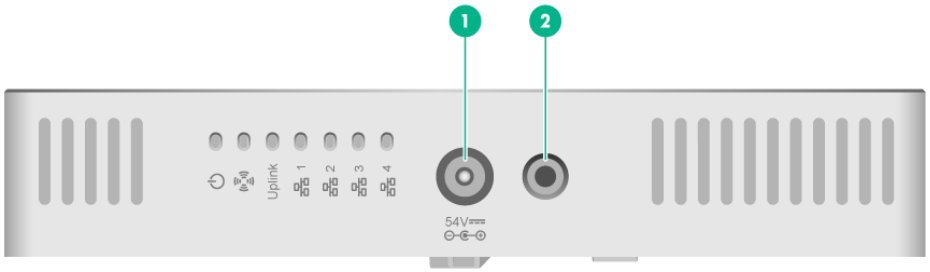
It provides also a reset button (RST) and a security screw hole.

Figure 6 Ports on the AP



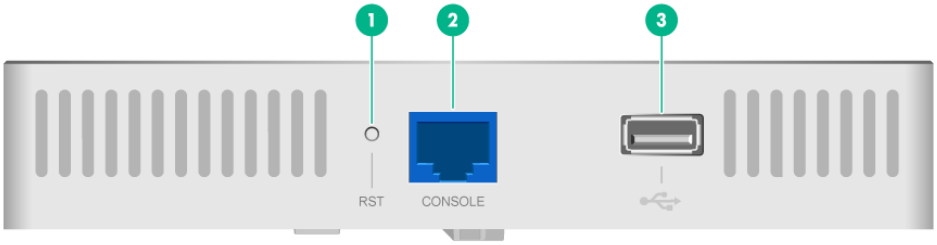
(1) 10/100/1000M Ethernet copper ports	(2) Pass-through port

Figure 7 Left view



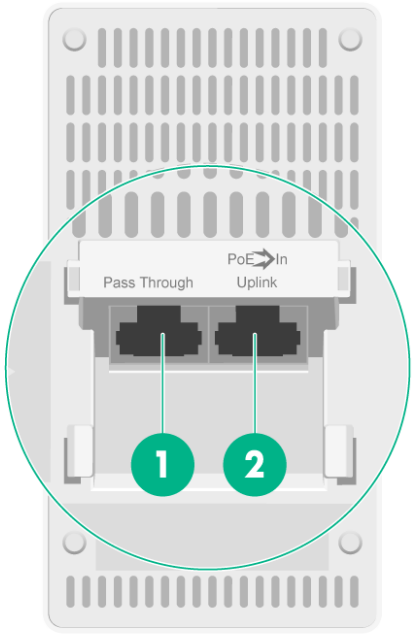
(1) Power port	(2) Security screw hole

Figure 8 Right view



(1) Reset button (RST)	(2) Console port	(3) USB port

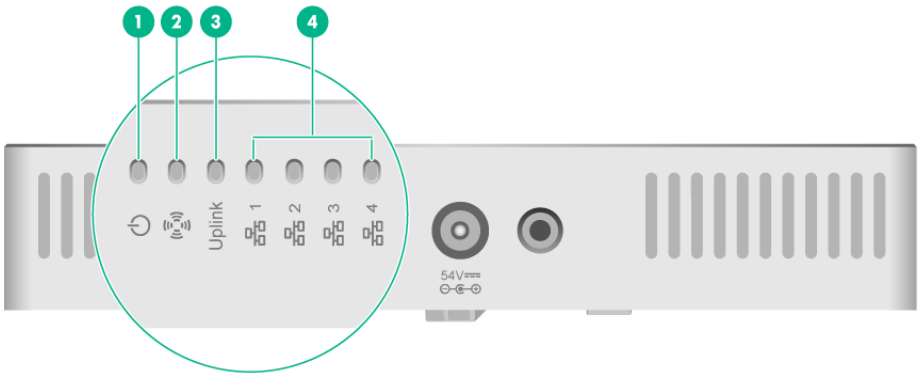
Figure 9 Rear view



(1) Pass-through port	(2) Uplink/PoE in port

LEDs

Figure 10 LEDs on the AP



(1) Power status LED	(2) Radio status LED
(3) Uplink port status LED	(4) Ethernet port status LEDs

Technical specifications

Table 3 Technical specifications

Item	Specification
Dimensions (H × W × D)	30 × 160 × 86 mm (1.18 × 6.30 × 3.39 in)

Weight	0.25 kg (0.55 lb)
Antenna	Internal antennas Built-in antenna: • 2.4 GHz: 3 dBi gain • 5 GHz: 3 dBi gain
Power consumption	• Standby: 3.1W • Operating: ≤ 12.96 W (USB excluded)
IEEE standards	IEEE802.11a/b/g/n/ac/ax
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	5% RH to 95% RH, noncondensing
Storage temperature	5% RH to 95% RH, noncondensing
Protection class	IP41
Console port	Used by technical personnel only for device configuration and management.
10/100/1000M Ethernet copper port (1 to 4)	10/100/1000M Ethernet copper port. When the AP operates in fit mode, the ports are represented by interface numbers GE1/0/2 to GE1/0/5 in the MAP file and GigabitEthernet 2 to GigabitEthernet 5 on the AC.
Uplink/PoE in port	10/100/1000M Ethernet copper port, used for connecting the AP to an uplink device for Internet or MAN access. It can also receive PoE power from the uplink device. When the AP operates in fit mode, the port is represented by interface number GE1/0/1 in the MAP file and GigabitEthernet 1 for configuration on the AC.
Power port (54 V)	Used for receiving +54 VDC power from a local power source.
Pass-through port (2 in total)	Use for connecting a phone cable or RJ-45 cable.
USB port	USB 2.0
Reset button	The function of the reset button varies by duration in which it is pressed. For more information, see "LED description for the reset button."
LEDs	Yellow/green. For more information about the LED status in different AP operating modes, see "LED descriptions for multi-LED APs (2)."

WA6320H-HI

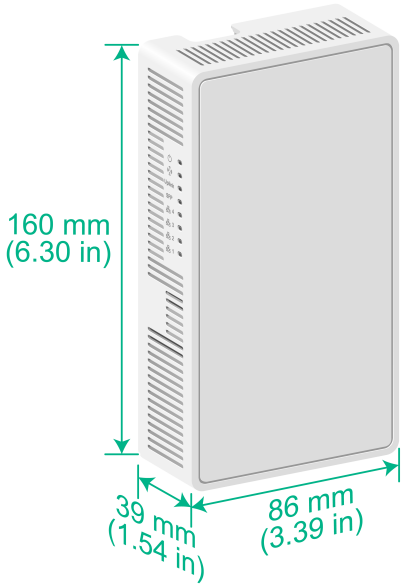
Chassis view

Chassis view

Figure 11 Chassis view

Chassis dimensions

Figure 12 Chassis dimensions



Ports and LEDs

Ports

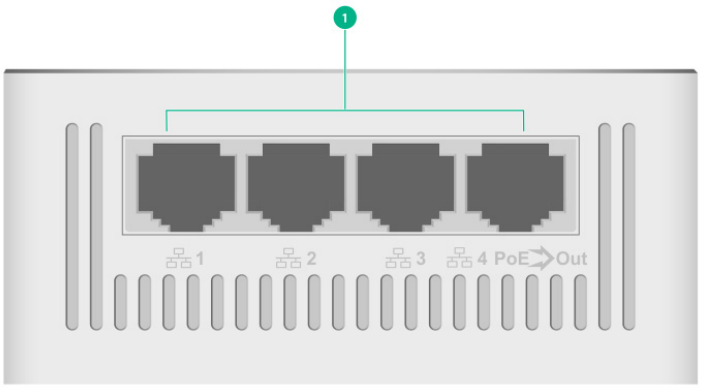
The AP provides the following ports:

- One console port
- Four 10/100/1000M Ethernet copper ports

- One 54 VDC power port
- One GE/SFP port
- One Uplink/PoE+ port
- One USB port

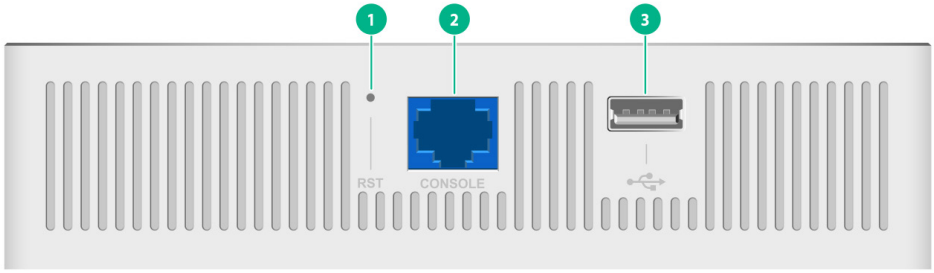
It provides also a reset button (RST).

Figure 13 Ports on the AP



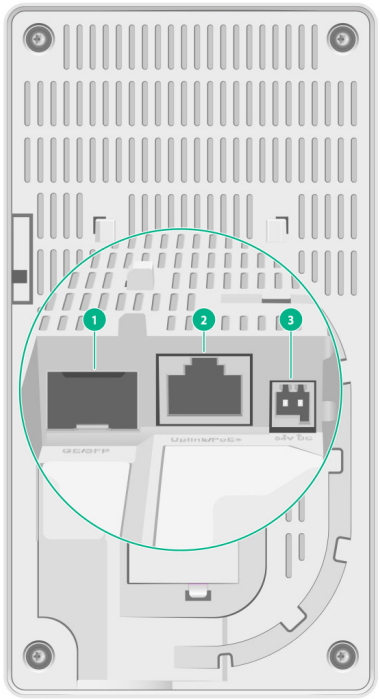
(1) 10/100/1000M Ethernet copper ports

Figure 14 Left view



(1) Reset button (RST)	(2) Console port	(3) USB port

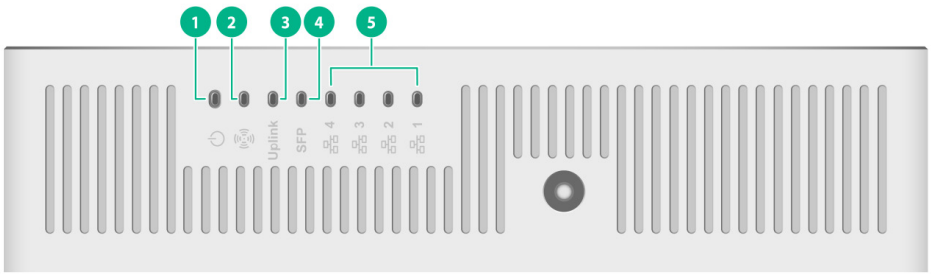
Figure 15 Rear view



(1) GE/SFP port	(2) Uplink/PoE+ port	(3) 54 VDC power port

LEDs

Figure 16 LEDs on the AP



(1) Power status LED	(2) Radio status LED
(3) Uplink port status LED	(4) Ethernet fiber port LED
(5) Ethernet copper port LED	

Technical specifications

Table 4 Technical specifications

Item	Specification
Dimensions (H × W × D)	39 × 160 × 86 mm (1.54 × 6.30 × 3.39 in, excluding the mounting bracket)
Weight	0.25 kg (0.55 lb)

Item	Specification

Power consumption	• Standby: 5.2 W
	• Operating:
	  ○ ≤ 31.5 W (PoE_OUT/USB included)
	  ○ ≤ 14 W (PoE_OUT/USB excluded)

Antenna	Built-in antenna: • 2.4 GHz: 3 dBi gain • 5 GHz: 5 dBi gain
Standards	• 802.11a/b/g/n/ac/ax • 802.3at/af
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	5% RH to 95% RH, noncondensing
Storage temperature	5% RH to 95% RH, noncondensing
Protection class	IP31
Console port	Used by technical personnel only for device configuration and management.
10/100/1000M Ethernet copper port	10/100/1000M Ethernet copper port. When the AP operates in fit mode, the ports are represented by interface numbers GE1/0/2 to GE1/0/5 in the MAP file and GigabitEthernet 2 to GigabitEthernet 5 on the AC.
Uplink/PoE port	10/100/1000M Ethernet copper port, used for connecting the AP to an uplink device for Internet or MAN access. It can also receive PoE+ power from the uplink device. When the AP operates in fit mode, the port is represented by interface number GE1/0/1 in the MAP file and GigabitEthernet 1 on the AC.
GE/SFP port	10/100/1000M Ethernet fiber port.
Power port (54 V)	Used for receiving +54 VDC power from a local power source.
USB port	Used for charging as well as data reading or writing.
Reset button	The function of the reset button varies by duration in which it is pressed. For more information, see "LED description for the reset button."
LEDs	Yellow/green. For more information about the LED status in different AP operating modes, see "LED descriptions for multi-LED APs (1)."

WA6330

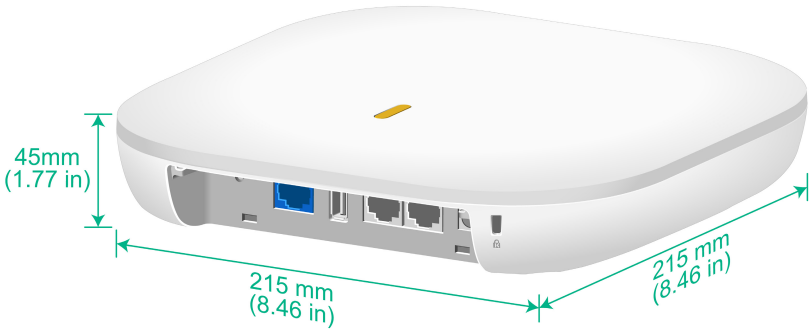
Chassis view

Chassis view

Figure 17 Chassis view

Chassis dimensions

Figure 18 Chassis dimensions



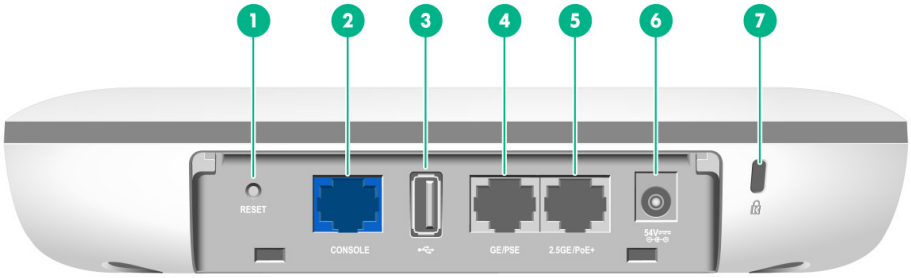
Ports and LEDs

The AP provides the following ports:

- One console port
- One USB port
- One GE port
- One 2.5GE port
- One power port

The AP also has a reset button and a security slot. The security slot is 7 × 3 mm (0.28 × 0.12 in) in size.

Figure 19 Ports on the AP



(1) Reset button	(2) Console port	(3) USB port
(4) GE/PSE port	(5) 2.5GE/PoE+ port	
(6) Power port	(7) Security slot	

Technical specifications

Table 5 Technical specifications

Item	Specification
Dimensions (H × W × D) (without the mounting bracket)	45 × 215 × 215 mm (1.77 × 8.46 × 8.46 in)
Weight	940 g (33.16 oz)
Antenna (built-in)	Built-in antenna • 2.4 GHz: 5 dBi gain • 5 GHz: 5 dBi gain

System power consumption	• Standby: 4.3W
	• Operating:
	  ○ ≤ 34 W (PoE_OUT/USB included)
	  ○ ≤ 16.5 W (PoE_OUT/USB excluded)

Powering option	• Local DC power source • 802.3at PoE (the system power consumption ≤ 16.5 W) • 802.3af PoE (the system power consumption ≤ 12.93 W)
Protocol	• 802.11b/g/a/n/ac/ax • 802.3at/af
Operating temperature	0°C to +50°C (32°F to 122°F)
Storage temperature	–40°C to +70°C (–40°F to +158°F)
Operating humidity	5% RH to 95% RH, noncondensing
Storage temperature	5% RH to 95% RH, noncondensing
Protection class	IP42
Console port	Used for device configuration and management only.
USB port	USB 2.0
GE/PSE	10/100/1000M Ethernet copper port, used for connecting a downlink device. It can also supply PoE power to the downlink device. When the AP operates in fit mode, the port is represented by interface number

Item	Specification
	GE1/0/1 in the MAP file and GigabitEthernet 1 for configuration on the AC.
2.5GE/PoE+	100/1000M/2.5G Ethernet copper port, used for connecting the AP to an uplink device for Internet or MAN access. It can also receive PoE+ power from the uplink device. When the AP operates in fit mode, the port is represented by interface number SGE1/0/1 in the MAP file and smartrate-ethernet 1 for configuration on the AC.
Power port (54 V)	Used for receiving +54 VDC power from the local power source.
Reset button	The function of the reset button varies by duration in which it is pressed. For more information, see "LED description for the reset button."
LEDs	Yellow/green/blue. For more information about the LED status in different AP operating modes, see "LED descriptions for single-LED APs."

About LEDs

The LED status includes the color and flashing frequency of the LEDs, which indicates the AP operating status.

APs can be classified into single-LED APs and multi-LED APs based on the LED quantity.

Figure 20 Single-LED AP (WA6320 as an example)

Figure 21 Multi-LED AP (WA6320H as an example)

Table 6 Wi-Fi 6 AP models

AP series		Models	Description
Wi-Fi 6	WA6300 AP series	WA6320,WA6330	See "LED descriptions for single-LED APs."
		WA6320H-HI	See "LED descriptions for multi-LED APs (1)."
		WA6320H	See "LED descriptions for multi-LED APs (2)."

LED descriptions for single-LED APs

The description for the status LED on an AP varies by AP operating mode. For information about the operating modes supported by an AP, see the release notes.

LED descriptions before modification

NOTE:

This section is applicable to the WA6300 AP series in versions earlier than 2484.

Table 7 LED description (fit mode)

LED color	Status	Description
N/A	Off	No power is present or the LED has been turned off from the CLI.
Yellow	Steady on	The AP is initializing, or an initialization exception has occurred.
	Flashing (twice per second)	The Ethernet ports are down and no mesh links are established.
Green	Steady on	The AP has started up and registered with an AC, but is in standby state (does not have any associated clients).
	Flashing (once every two seconds)	The AP has started up, but has not registered to any AC.
	Flashing (once per second)	Only the 2.4G radio has associated clients.
	Flashing (twice per second)	The AP is upgrading the image.
Blue	Flashing (once per second)	Only the 5G radio has associated clients.
Alternating between green and blue	Flashing (once per second)	Both the 2.4G and 5G radios have associated clients.

Table 8 LED description (cloud mode)

LED color	Status	Description
N/A	Off	No power is present or the LED has been turned off from the CLI.
Yellow	Steady on	The AP is initializing, or an initialization exception has occurred.
	Flashing (twice per second)	The Ethernet ports are down and no mesh links are established.
Green	Steady on	The AP is in standby state, has connected to Cloudnet, but does not have any associated clients.
	Flashing (once per second)	The AP has connected to Cloudnet, and the radios have associated clients.
	Flashing (twice per second)	The AP is upgrading the image.
Blue	Steady on	The AP is in standby state, has not connected to Cloudnet, and does not have any associated clients.
	Flashing (once per second)	The AP has not connected to Cloudnet, but the radios have associated clients.

Table 9 LED description (anchor AC mode)

LED color	Status	Description
N/A	Off	No power is present or the LED has been turned off from the CLI.
Yellow	Steady on	The AP is initializing, or an initialization exception has occurred.
	Flashing (twice per second)	The Ethernet ports are down and no mesh links are established.
Green	Steady on	The AP has started up and is in standby state, but does not have any associated clients.
	Flashing (once per second)	Only the 2.4G radio has associated clients.
	Flashing (twice per second)	The AP is upgrading the image.
Blue	Flashing (once per second)	Only the 5G radio has associated clients.
Alternating between green and blue	Flashing (once per second)	Both the 2.4G and 5G radios have associated clients.

LED descriptions after modification

NOTE:

This section is applicable to the WA6300 AP series in 2484 and later versions.

Table 10 LED description

LED color	Status	Description
N/A	Off	No power is present or the LED has been turned off from the CLI.
Yellow	Steady on	The AP is initializing, or an initialization exception has occurred.
	Flashing (twice per second)	The Ethernet ports are down and no mesh links are established.
Green	Steady on	The AP is in standby state and does not have any associated online clients.
	Flashing (once every two seconds)	The AP has started up in fit mode, but has not registered to any AC.
	Flashing (once per second)	The radios have associated clients.
Blue	Flashing (twice per second)	The AP is upgrading the image.

LED descriptions for multi-LED APs

The descriptions for the status LEDs on an AP vary by AP operating mode. For information about the operating modes supported by an AP, see the release notes.

LED descriptions for multi-LED APs (1)

LED descriptions before modification

NOTE:

This section is applicable to the following APs:

WA6300 AP series in versions earlier than 2484.

Table 11 LED description

LED	Color	Status	Description
Power status LED	N/A	Off	No power is present or the LED has been turned off from the CLI.
	Yellow	Steady on	• The system software is starting. • An initialization exception has occurred.
	Green	Flashing (once every two seconds)	The AP has started up in fit mode, but has not registered to any AC.
		Flashing (once per second)	The AP is operating in cloud mode and has connected to Cloudnet.
		Flashing (twice per second)	The AP is upgrading the image.
		Steady on	The AP is in standby state. (The fit AP has registered with an AC.)
	Alternating between yellow and green	Flashing (once per second)	The AP is operating in cloud mode and has not connected to Cloudnet.
Radio status LED	N/A	Off	The radios are disabled or the LED has been turned off from the CLI.
	Yellow	Flashing (once per second)	A radio has been enabled but does not have associated clients.
	Green	Flashing (once per second)	A radio has associated clients.
LED for a copper or fiber Ethernet port (such as a 1000M, 2.5G, 5G, or 10G port)	N/A	Off	No link is present on the port.
	Yellow	Steady on	Negotiation has succeeded on the port, and the port is operating at a reduced speed.
		Flashing (once per second)	The port is operating correctly at a reduced speed.
	Green	Steady on	Negotiation has succeeded on the port, and the port is operating at the maximum speed.
		Flashing (once per second)	The port is operating correctly at the maximum speed.
PON	Green	Steady on	Normal PON link.
		Flashing (once per second)	The ONU is registering.
	Off		The ONU is not registered.

LED descriptions after modification

NOTE:

This section is applicable to the following APs:

WA6300 AP series in 2484 and later versions.

Table 12 LED description

LED	Color	Status	Description
Power status LED	N/A	Off	No power is present or the LED has been turned off from the CLI.
	Yellow	Steady on	• The system software is starting. • An initialization exception has occurred.
	Green	Flashing (once every two seconds)	The AP has started up in fit mode, but has not registered to any AC.
		Flashing (twice per second)	The AP is upgrading the image.
		Steady on	The AP is in standby state. (The fit AP has registered with an AC.)
Radio status LED	N/A	Off	The radios are disabled or the LED has been turned off from the CLI.
	Yellow	Flashing (once per second)	A radio has been enabled but does not have associated clients.
	Green	Flashing (once per second)	A radio has associated clients.
LED for a copper or fiber Ethernet port (such as a 1000M, 2.5G, 5G, or 10G port)	N/A	Off	No link is present on the port.
	Yellow	Steady on	Negotiation has succeeded on the port, and the port is operating at a reduced speed.
		Flashing (once per second)	The port is operating correctly at a reduced speed.
	Green	Steady on	Negotiation has succeeded on the port, and the port is operating at the maximum speed.
		Flashing (once per second)	The port is operating correctly at the maximum speed.
PON	Green	Steady on	Normal PON link.
		Flashing (once per second)	The ONU is registering.
	Off		The ONU is not registered.

LED descriptions for multi-LED APs (2)

LED descriptions before modification

NOTE:

This section is applicable to the WA6300 AP series in versions earlier than 2484.

Table 13 LED description

LED	Color	Status	Description
Power status LED	Yellow	Steady on	• The system software is starting. • An initialization exception has occurred.
		Flashing (once per second)	No radio cards have been detected.
		Flashing (twice per second)	The Ethernet ports are down and no mesh links are present.
	Green	Flashing (twice per second)	The AP is upgrading the image.
		Flashing (once every two seconds)	The AP has started up in fit mode, but has not registered to any AC.
		Flashing (once per second)	The AP is operating in cloud mode and has connected to Cloudnet.
		Steady on	The AP is in standby state. (The fit AP has registered with an AC.)
	Alternating between yellow and green	Flashing (once per second)	The AP is operating in cloud mode and has not connected to Cloudnet.
	N/A	Off	No power is present or the LED has been turned off from the CLI.
Radio status LED	Yellow	Flashing (once per second)	Only the 5G radio has associated clients.
	Green	Flashing (once per second)	Only the 2.4G radio has associated clients.
	Alternating between yellow and green	Flashing (once per second)	Both the 2.4G and 5G radios have associated clients.
	N/A	Off	The radios do not have any associated clients, or the LED has been turned off from the CLI.
LED for a copper or fiber Ethernet port (such as a 1000M, 2.5G, 5G, or 10G port)	N/A	Off	No link is present on the port.
	Yellow	Steady on	Negotiation has succeeded on the port, and the port is operating at a reduced speed.
		Flashing (once per second)	The port is operating correctly at a reduced speed.
	Green	Steady on	Negotiation has succeeded on the port, and the port is operating at the maximum speed.
		Flashing (once per second)	The port is operating correctly at the maximum speed.
PON	Green	Steady on	Normal PON link.
		Flashing (once per second)	The ONU is registering.
	Off		The ONU is not registered.

LED descriptions after modification

NOTE:

This section is applicable to the WA6300 AP series in 2484 and later versions.

Table 14 LED description

LED	Color	Status	Description
Power status LED	Yellow	Steady on	• The system software is starting. • An initialization exception has occurred.
		Flashing (once per second)	No radio cards have been detected.
		Flashing (twice per second)	The Ethernet ports are down and no mesh links are present.
	Green	Flashing (twice per second)	The AP is upgrading the image.
		Flashing (once every two seconds)	The AP has started up in fit mode, but has not registered to any AC.
		Steady on	The AP is in standby state. (The fit AP has registered with an AC.)
	N/A	Off	No power is present or the LED has been turned off from the CLI.
Radio status LED	N/A	Off	The radios are disabled or the LED has been turned off from the CLI.
	Yellow	Flashing (once per second)	The radios do not have any associated clients.
	Green	Flashing (once per second)	A radio has associated clients.
LED for a copper or fiber Ethernet port (such as a 1000M, 2.5G, 5G, or 10G port)	N/A	Off	No link is present on the port.
	Yellow	Steady on	Negotiation has succeeded on the port, and the port is operating at a reduced speed.
		Flashing (once per second)	The port is operating correctly at a reduced speed.
	Green	Steady on	Negotiation has succeeded on the port, and the port is operating at the maximum speed.
		Flashing (once per second)	The port is operating correctly at the maximum speed.
PON	Green	Steady on	Normal PON link.
		Flashing (once per second)	The ONU is registering.
	Off		The ONU is not registered.

LED description for the reset button

Table 15 LED description for the reset button

Reset button	Press and hold duration (seconds)	LED color	LED status	Description
RESET	0 to 5	Green	Steady on	Reset the AP.
	5 to 20	Green	Flashing (twice per second)	Restore to the factory defaults.
	20 to 30	Yellow	Flashing (once every two seconds)	The AP is operating in fit mode.
			Flashing (twice per second)	The AP is operating in anchor AC mode.
			Flashing (four times per second)	The AP is operating in cloud mode.
	> 30	Yellow	Flashing (twice per second)	The AP is operating in anchor AC mode.
			Flashing (four times per second)	The AP is operating in cloud mode.
		Green	Flashing (four times per second)	The AP is switching from fit mode to cloud mode. Note: After you release the button, if the AP has switched from fit mode to cloud mode, it will restart for the new mode to take effect.

Transceiver modules

Views

An SFP transceiver module is required if you are to use the SFP fiber port. The AP supports only fibers with LC connectors.

Figure 22 SFP transceiver module

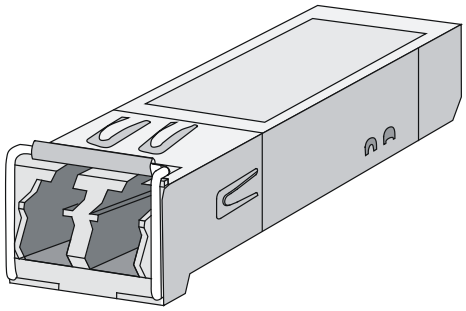
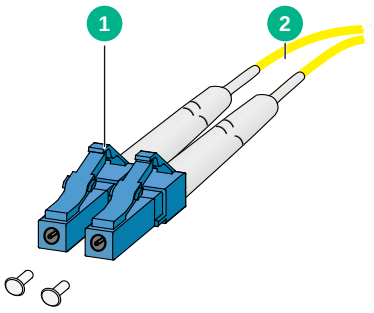


Figure 23 Optical fibers with LC connectors



(1) LC connector	(2) Optical fiber

Specifications

The MM string in a transceiver module name indicates that the module supports multi-mode optical fibers and the SM string indicates that the module supports single-mode optical fibers.

The supported transceiver modules may be updated as time changes. For accurate transceiver module information, contact the marketing personnel or Technical Support.

NOTE:

The SFP-GE-SX-MM850-A and SFP-GE-LX-SM1310-A transceiver modules are only supported by the WA6320H-HI AP.

Table 16 SFP-GE-SX-MM850-A transceiver module specifications

Item	SFP-GE-SX-MM850-A
Central wavelength	850 nm
Max transmission distance	550 m (1804.46 ft)
Data rate	1250 Mbps
Connector type	Duplex LC connector
Fiber mode	MMF
Fiber diameter	50 μm
Output power	–9.5 to 0 dBm
Receiver sensitivity	≤ –17 dBm
Fiber saturation	≤ –3 dBm

Table 17 SFP-GE-LX-SM1310-A transceiver module specifications

Item	SFP-GE-LX-SM1310-A
Central wavelength	1310 nm
Max transmission distance	10 km (6.21 miles)
Data rate	1250 Mbps
Connector type	Duplex LC connector
Fiber mode	SMF
Fiber diameter	9 μm
Output power	–9.5 to –3 dBm
Receiver sensitivity	≤ –20 dBm
Fiber saturation	≤ –3 dBm

Receive Sensitivity Values

Receive sensitivity is the minimum signal receive power at the antenna port required for correct wireless device operation. A lower receive sensitivity value indicates better receive performance of the wireless device.

WA6320

Table 18 Receive Sensitivity Values

Radio	5GHz Radio	2.4GHz Radio
	Rx sensitivity (dBm) NSS1	Rx sensitivity (dBm) NSS1
802.11/11b		
1 Mbps	-	-99
11 Mbps	-	-91
802.11a/g		
6 Mbps	-94	-95
24 Mbps	-85	-86
54 Mbps	-76	-76
802.11n HT20		
MCS0	-93	-94
MCS4	-81	-80
MCS7	-73	-73
802.11n HT40		
MCS0	-90	-91
MCS4	-77	-78
MCS7	-70	-71
802.11ac VHT20		
MCS0	-93	-
MCS4	-82	-
MCS7	-74	-
MCS8	-69	-
802.11ac VHT40		
MCS0	-90	-
MCS4	-78	-
MCS7	-71	-
MCS8	-67	-
MCS9	-64	-
802.11ac VHT80		

Radio	5GHz Radio	2.4GHz Radio
MCS0	-86	-
MCS4	-74	-
MCS7	-67	-
MCS8	-64	-
MCS9	-61	-
802.11ax HE20		
MCS0	-93	-94
MCS4	-83	-84
MCS7	-75	-76
MCS8	-72	-74
MCS9	-70	-72
MCS10	-66	-68
MCS11	-63	-66
802.11ax HE40		
MCS0	-91	-91
MCS4	-80	-82
MCS7	-72	-73
MCS8	-69	-69
MCS9	-66	-68
MCS10	-62	-64
MCS11	-61	-64
802.11ax HE80		
MCS0	-88	-
MCS4	-77	-
MCS7	-69	-
MCS8	-65	-
MCS9	-63	-
MCS10	-59	-
MCS11	-57	-

WA6320H-HI

Table 19 Receive Sensitivity Values

Radio	5GHz Radio	2.4GHz Radio
	Rx sensitivity (dBm) NSS1	Rx sensitivity (dBm) NSS1

Radio	5GHz Radio	2.4GHz Radio
802.11/11b		
1 Mbps	-	-98
11 Mbps	-	-90
802.11a/g		
6 Mbps	-90	-94
24 Mbps	-83	-85
54 Mbps	-72	-76
802.11n HT20		
MCS0	-93	-94
MCS4	-82	-82
MCS7	-74	-76
802.11n HT40		
MCS0	-89	-91
MCS4	-77	-78
MCS7	-69	-72
802.11ac VHT20		
MCS0	-89	-
MCS4	-77	-
MCS7	-73	-
MCS8	-71	-
802.11ac VHT40		
MCS0	-86	-
MCS4	-76	-
MCS7	-69	-
MCS8	-65	-
MCS9	-62	-
802.11ac VHT80		
MCS0	-82	-
MCS4	-72	-
MCS7	-65	-
MCS8	-61	-
MCS9	-57	-
802.11ac VHT160		
MCS0	-	-
MCS4	-	-
MCS7	-	-

Radio	5GHz Radio	2.4GHz Radio
MCS8	-	-
MCS9	-	-
802.11ax HE20		
MCS0	-93	-93
MCS4	-82	-83
MCS7	-72	-74
MCS8	-70	-70
MCS9	-67	-66
MCS10	-65	-65
MCS11	-63	-63
802.11ax HE40		
MCS0	-91	-90
MCS4	-80	-81
MCS7	-71	-72
MCS8	-69	-68
MCS9	-67	-66
MCS10	-63	-63
MCS11	-61	-60
802.11ax HE80		
MCS0	-89	-
MCS4	-78	-
MCS7	-71	-
MCS8	-67	-
MCS9	-65	-
MCS10	-62	-
MCS11	-59	-
802.11ax HE160		
MCS0	-85	-
MCS4	-74	-
MCS7	-66	-
MCS8	-63	-
MCS9	-61	-
MCS10	-58	-
MCS11	-56	-

WA6330

Table 20 Receive Sensitivity Values

Radio	5GHz Radio	2.4GHz Radio
	Rx sensitivity (dBm) NSS1	Rx sensitivity (dBm) NSS1
802.11/11b		
1 Mbps	-	-98
11 Mbps	-	-91
802.11a/g		
6 Mbps	-90	-93
24 Mbps	-83	-85
54 Mbps	-72	-77
802.11n HT20		
MCS0	-93	-93
MCS4	-82	-81
MCS7	-74	-73
802.11n HT40		
MCS0	-89	-91
MCS4	-77	-78
MCS7	-69	-71
802.11ac VHT20		
MCS0	-89	-
MCS4	-77	-
MCS7	-73	-
MCS8	-71	-
802.11ac VHT40		
MCS0	-86	-
MCS4	-76	-
MCS7	-69	-
MCS8	-65	-
MCS9	-62	-
802.11ac VHT80		
MCS0	-82	-
MCS4	-72	-
MCS7	-65	-
MCS8	-61	-
MCS9	-57	-

Radio	5GHz Radio	2.4GHz Radio
802.11ax HE20		
MCS0	-93	-93
MCS4	-82	-82
MCS7	-72	-72
MCS8	-70	-71
MCS9	-67	-70
MCS10	-65	-68
MCS11	-63	-66
802.11ax HE40		
MCS0	-91	-90
MCS4	-80	-81
MCS7	-71	-70
MCS8	-69	-69
MCS9	-67	-68
MCS10	-63	-65
MCS11	-61	-62
802.11ax HE80		
MCS0	-89	-
MCS4	-77	-
MCS7	-69	-
MCS8	-65	-
MCS9	-63	-
MCS10	-60	-
MCS11	-58	-