

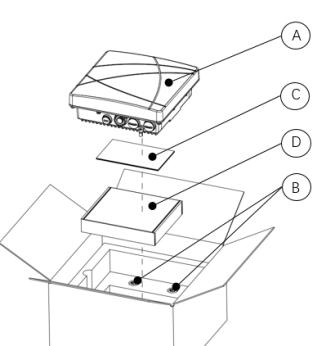
1. Introduction

The high performance and rugged OAW-AP1360 series supports IP67 standard for harsh outdoor environments, such as exposure to high and low temperatures, persistent moisture and precipitation, and electrical interfaces include industrial strength surge protection. The OAW-AP1360 series supports a maximum concurrent data rate of 1.267Gbps (867Mbps in 5GHz and 400Mbps in 2.4GHz), and dual Gigabit Ethernet links, integrated omni-directional antennas, it is ideal for medium density outdoor environments.

1.1. Package Contents

Item	Name	Qty	Unit
2	Outdoor Access Point	1	Pcs
	Quick Start Guide	1	Pcs
	Installation Guide	1	Pcs
	Regulatory Compliance and Safety Information	1	Pcs
	User Guide Info Card	1	Pcs
3	Cable Gland	3	pcs

Figure 1: Product Packing



◆ Outdoor AP mounting kit package, which contains the following items. (To be ordered separately)

Table 1

Item	Description	Graphics	Qty
D1	Mounting bracket (D1)		1
D2	Mounting bracket (D2)		1
D3	Mounting bracket (D3)		1

NOTES:

- Component dimensions are in metric.
- The weatherproof caps for Ethernet and Console are connected to the AP, not loose in the package.
- Do not open or remove the Protective vents.
- Inform your supplier if there are any incorrect, missing, or damaged parts. If possible, retain the carton, including the original packing material. Use these materials to repack and return the unit to the supplier if needed.

1.2. Hardware Overview

Figure 2: OAW-AP1361/OAW-AP1361D Front View



Figure 3: OAW-AP1362 Front View

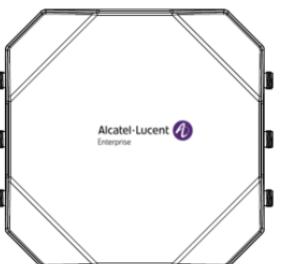


Figure 4: OAW-AP1361/OAW-AP1361D Rear View

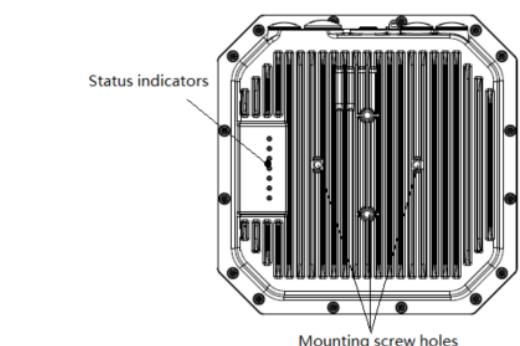


Figure 5: OAW-AP1362 Rear View

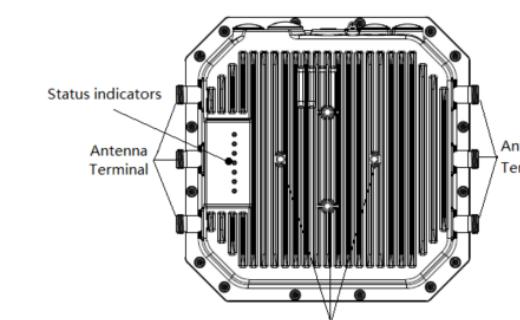
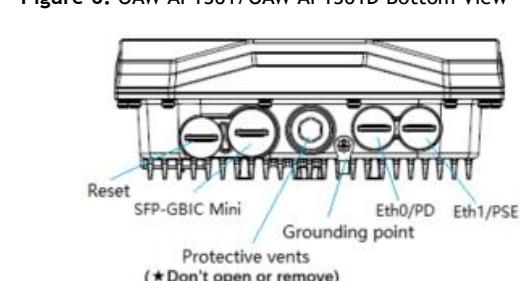
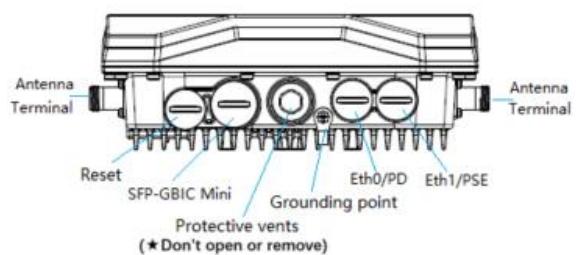


Figure 6: OAW-AP1361/OAW-AP1361D Bottom View



Item	Description	Graphics	Qty
D4	Spacing tube		1
D5	Screw bolt M8 x 65		1
D6	Screw bolt M8 x 25		1
D7	Screw bolt M6 x 12		3
D8	Spring washer Φ8		2
D9	Spring washer Φ6		3
D10	Screw nut M8		2
D11	Locknut M8		2
D12	Hose clamp (102-152mm)		2
D13	Expansion bolt M6x60		4

Figure 7: OAW-AP1362 Bottom View



1.3. Pre-Installation Checklist

Before installing your OAW-AP1360 Series, be sure that you have the materials and tools listed below:

- IEEE 802.3af compliant PoE source.
- Gigabit Ethernet cable of required length and RJ45 connector.
- Grounding wire #8AWG of required length.
- Tools:

- Ratchet wrench
- Hexagon sockets
- Screw driver
- Rotary hammer
- Percussion bit Φ8
- Ratchet Crimping Plier for non-insulated terminal
- Crimping Tool for RJ45 Modular Plug
- Ethernet cable tester.
- Heat shrinkable tube
- Heat gun

1.4. Deployment Process Overview

The deployment of an Access Point typically consists of the following stages:

- WLAN Planning—The administrator determines how many APs will be needed for their wireless network strategy and where they will be deployed.
- AP Installation—Each AP can be physically installed at proper location. Each location should be as close as possible to the center of the intended coverage area and should be free from obstructions or obvious sources of interference.
- AP Configuration—The administrator defines the operational behavior for each AP, such as RF characteristics and security features.

NOTES:

- Installing the Outdoor Access Point requires professional training. The AP must be professionally installed by a qualified engineer familiar with WLAN system.
- For AP configuration information, please refer to the User Guide.

2. Installing the AP

2.1. Using the Mounting Kits

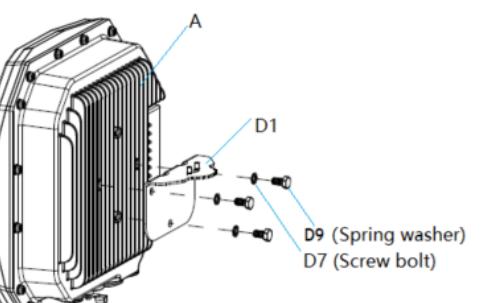
2.1.1. Assembling Access Point(A) with Mounting bracket(D1), to get Subassembly (E1)

2.1.1.1. Materials Preparation

Item	Description	Graphics	Qty
A	Access Point OAW-AP1360 series		1
D1	Mounting bracket (D1)		1
D7	Screw bolt M6 x 12		3
D9	Spring washer Φ6		3

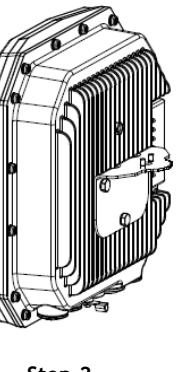
2.1.1.2. Assembly Processes

Step-1. Connecting the AP(A) with Mounting bracket(D1)



Step-1

Step-2. Get Subassembly (E1)



Step-2

Note:

- Must use a proper Ratchet wrench to tighten the Screw bolt(D7)

2.1.2. Assembling Mounting bracket(D2) with bracket(D3), to get Subassembly(E2)

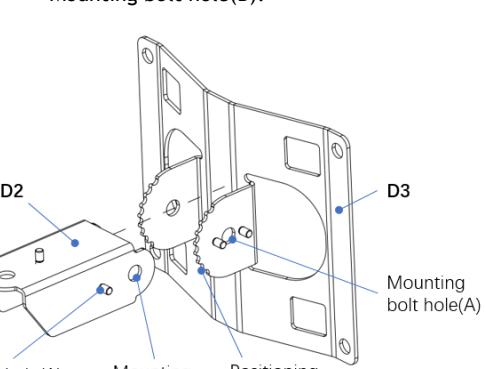
2.1.2.1. Materials Preparation

Table 3

Item	Description	Graphics	Qty
D2	Mounting bracket (D2)		1
D3	Mounting bracket (D3)		1
D4	Spacing tube		1
D5	Screw bolt M8 x 65		1
D8	Spring washer Φ8		1
D10	Screw nut M8		1
D11	Locknut M8		1

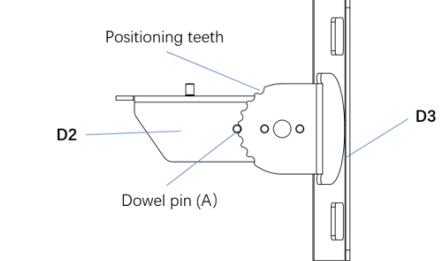
2.1.2.2. Assembly Processes

Step-3. Insert the Mounting bracket (D2) into bracket (D3), and align Mounting bolt hole(A) with Mounting bolt hole(B).



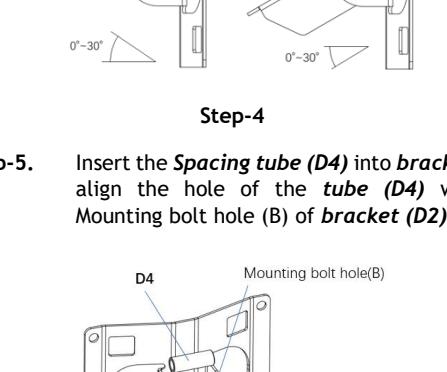
Step-3

Step-4. To get a required installation angle of pitch, adjusting the Dowel pin(A) on Bracket(D2) to match up with the Positioning teeth of Mounting bracket(D3).

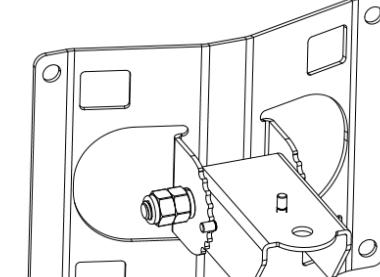


Step-4

Step-5. Insert the Spacing tube (D4) into bracket (D2), align the hole of the tube (D4) with the Mounting bolt hole (B) of bracket (D2).



Step-5



Step-8

2.1.3. Assembling Subassembly(E1) with Subassembly(E2), to get Final-Assembly (F)

2.1.3.1. Materials Preparation

Table 4

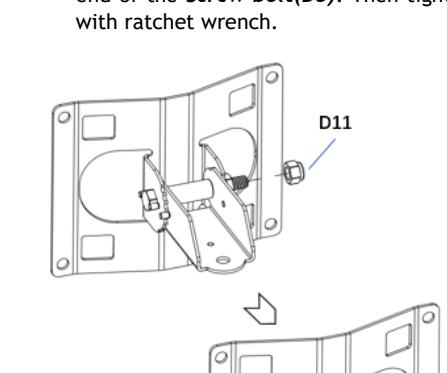
Item	Description	Graphics	Qty
E1	Subassembly (E1)		1
E2	Subassembly (E2)		1
D6	Screw bolt M8 x 25		1
D8	Spring washer Φ8		1
D10	Screw nut M8		1
D11	Locknut M8		1

2.1.3.2. Assembly Processes

Step-9. Overlap Subassembly (E1) to Subassembly (E2), align the Mounting bolt hole(C) with Mounting bolt hole(D).



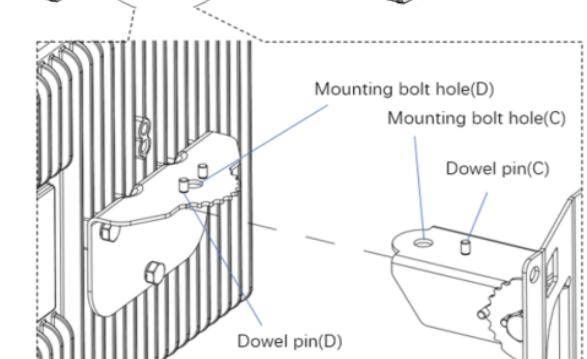
Step-6



Step-7



Step-8

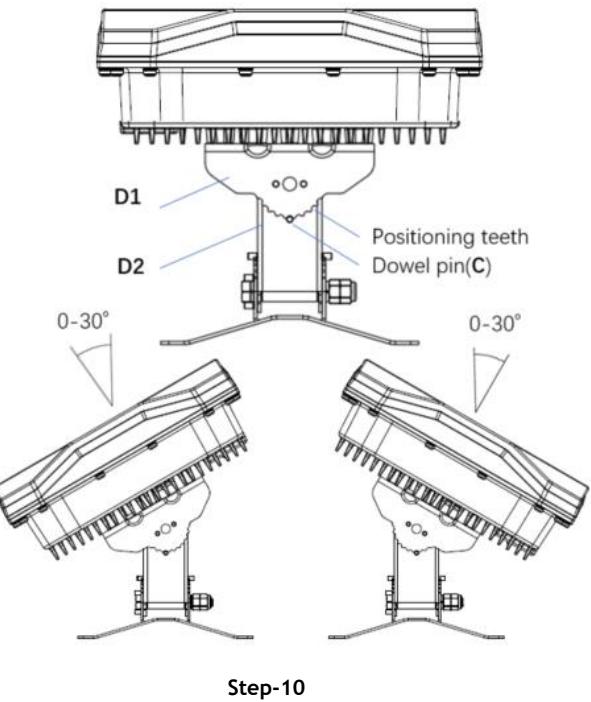


Step-10. To get a required horizontal angle, adjusting the Dowel pin(C) on Bracket(D2) to match up with the Positioning teeth of Bracket (D1).

Step-9

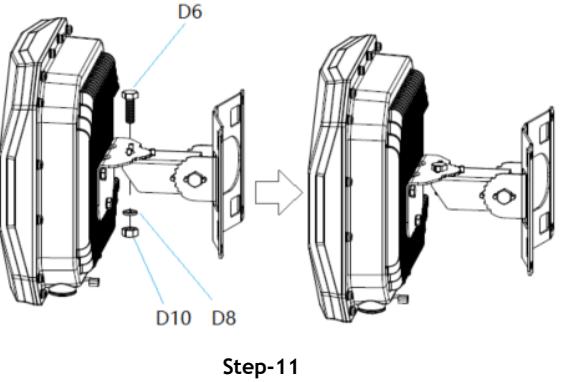
- Must use a proper Ratchet wrench to tighten the Screw nut(D10) and the Locknut(D11).

Step-8. Get Subassembly (E2)



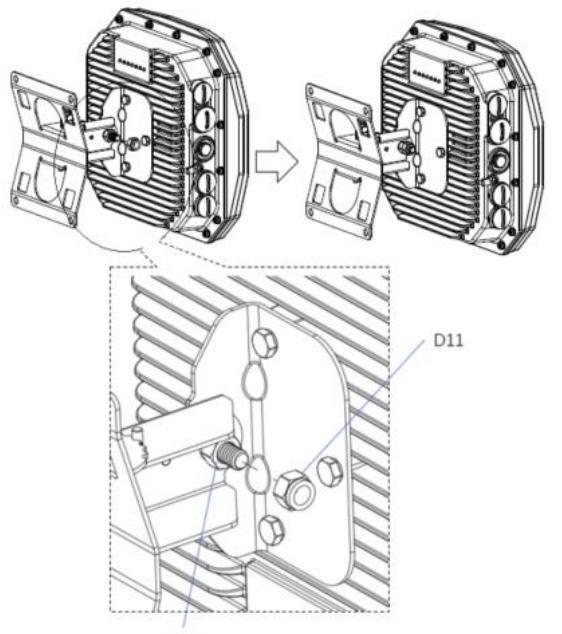
Step-10

Step-11. From the side of **Bracket (D1)**, where **Dowel pin (D)** stands, put the **Screw bolt (D6)** through the **Mounting bolt hole(D)** and stick out at the other side. Make sure the **Screw bolt** goes through **Mounting bracket(D1)** and **bracket(D2)**. Then put a **Spring washer (D8)** and a **Screw nut (D10)** on it in sequence. Finally, tighten the **Screw nut (D10)** with ratchet wrench.



Step-11

Step-12. To prevent the screw nut from loosening and for better reliability, put a **Locknut (D11)** on the end of the **Screw bolt(D6)**. Then tighten it up with ratchet wrench

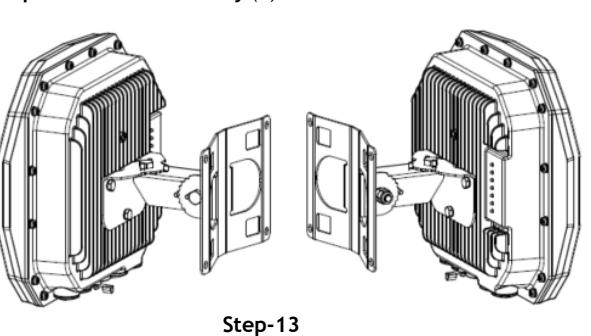


Step-12

Note:

- Must use a proper Ratchet wrench to tighten the **Screw nut(D10)** and the **Locknut(D11)**

Step-13. **Final assembly (F)**



Step-13

2.2. Mounting the AP to a Pole or a Wall

The OmniAccess Stellar AP1360 series is for outdoor deployment, it can be mounted to a pole or a wall by using the accessories in the mounting kit package.

2.2.1. Pole Mounting

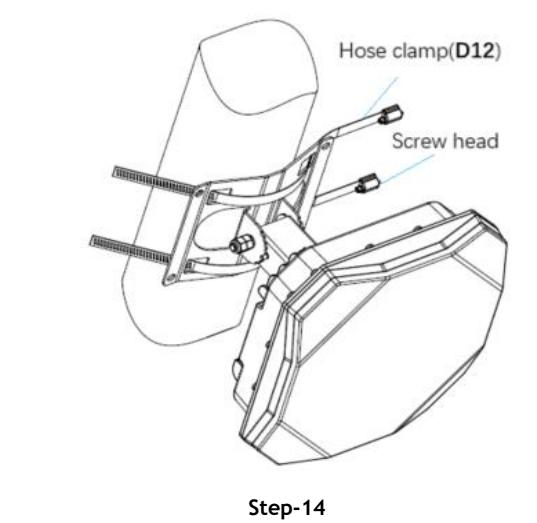
2.2.1.1. Materials Preparation

Table 5

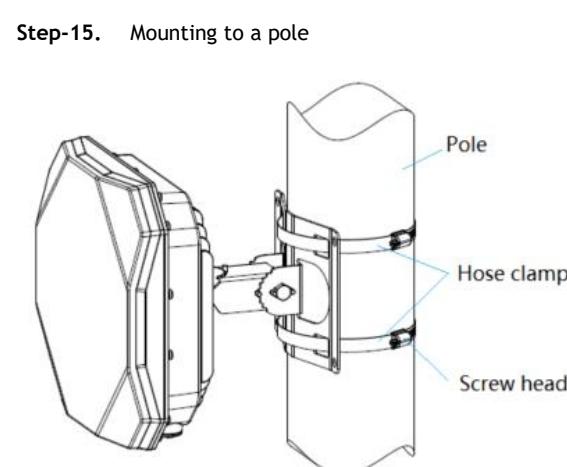
Item	Description	Graphics	Qty
F	Final assembly (F)		1
D12	Hose clamp		2

2.2.1.2. Mounting Processes

Step-14. Threading the **Hose clamps(D12)** through the **square mounting holes** in **bracket (D3)** separately. Considering your handedness, the direction of the **screw head** on the hose clamp should be determined before you thread.



Step-14



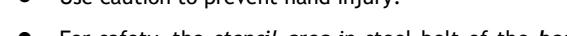
Step-15. Mounting to a pole



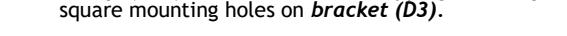
Step-16



Step-17



Step-18



Step-19



Step-20



Step-21



Step-22



Step-23



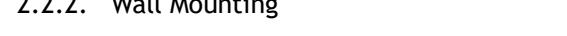
Step-24



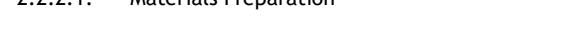
Step-25



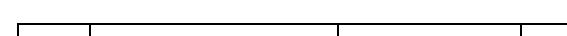
Step-26



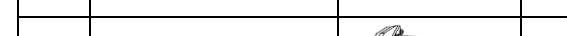
Step-27



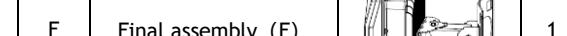
Step-28



Step-29



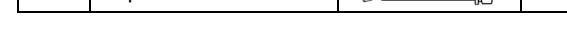
Step-30



Step-31



Step-32



Step-33



Step-34

Step-35

Step-36

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Step-39

Step-40

Step-41

Step-42

Step-43

Step-44

Step-45

Step-46

Step-47

Step-48

Step-49

Step-50

Step-51

Step-52

Step-53

Step-54

Step-55

Step-56

Step-57

Step-58

Step-59

Step-60

Step-61

Step-62

	6	BI_DB-	Bi-directional pair -B, PoE Positive
	7	BI_DD+	Bi-directional pair +D, PoE Negative
	8	BI_DD-	Bi-directional pair -D, PoE Negative

3.3. Power

- Maximum (worst case) power consumption:
<11.8W (802.3af PoE)

3.4. Environmental

- Protective level of enclosure: IP66

- Operating

Temperature: -40°C to 65°C
Humidity: 5% to 95% non-condensing

- Storage and transportation

Temperature: -40°C to 85°C

For additional specifications on this product, please refer to the Data Sheet.

Contacting Alcatel-Lucent Enterprise

Website Support	
Main Site	https://www.al-enterprise.com/
Support Site	https://businessportal2.alcatel-lucent.com
Telephone Support	
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