

FUWIT FUGA25P2 Positioning Base Station



FUWIT FUGA25P2 Positioning Base Station Owner's Manual

[Home](#) » [FUWIT](#) » FUWIT FUGA25P2 Positioning Base Station Owner's Manual 

Contents

- [1 FUWIT FUGA25P2 Positioning Base Station](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Introduction](#)
- [5 Packing list](#)
- [6 Product specifications](#)
- [7 Interface and installation instructions](#)
- [8 Rules for Indicator Light Signals](#)
- [9 FCC Warning](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)

FUWIT

FUWIT FUGA25P2 Positioning Base Station



Product Information

Specifications

- **Name:** Positioning base station
- **Product Model:** FU-GA25-P2
- **Dimensions:** Not specified
- **Working Frequency Band:** Not specified
- **Operating Temperature:** -20°C to 60°C
- **Power Consumption:** 2W
- **Installation Height:** 10m
- **Power Supply Method:** Standard PoE (IEEE 802.3af/at) and DC power supply (12-30V, 1A)

Product Usage Instructions

Interface and Installation Instructions

The product comes with the following interfaces:

- **RJ45 * 2:** Divided into PoE IN and PoE OUT for power and data transmission.
- **DC Interface:** Compatible with PSE power supply.
- **Reset Hole:** Press and hold for 3 seconds to restore default settings.

Installation

Before installation, ensure the mounting location can support a weight of 2kg or more. Follow these steps:

1. Securely install the disk rack on the flat roof using KA4 screws.
2. Align the installation bracket with the docking position and push the base station into the bracket slot.

Rules for Indicator Light Signals

The LED indicator lights provide information about the base station status:

- **Green Light Flashing Rapidly (5 seconds):** Restart base station by long-pressing startup/reset button.
- **Red Light Flashing Rapidly:** Obtaining IP address.
- **Green Light Flashing Slowly:** IP address obtained successfully.
- **Green Light Steady On:** Connected to positioning engine successfully.
- **Red Light Steady On:** Base station malfunctioning, reset after 30 seconds.
- **Red and Green Lights Alternating Slowly Flashing:** Downstream base station malfunctioning.

Frequently Asked Questions (FAQ)

- **Q: How can I reset the base station to default settings?**

A: Press and hold the reset hole for 3 seconds until the green light flashes rapidly for 5 seconds, indicating successful restoration of initial settings.

- **Q: What are the power supply methods supported by the base station?**

A: The base station supports standard PoE (IEEE 802.3af/at) and DC power supply with a voltage range of 12-30V and a current of 1A.

Introduction

- **Product Name:** Positioning base station
- **Product model:** FU-GA25-P2
- **Product appearance:**



Packing list

Category	Quantity
CL-GA25-P2	1
Installation disk rack	1
Certificate of Conformity	1
Installing screws KA4*30 and plugs	(1 screw + 1 plug) x 4
Waterproof connector 4-piece set	2

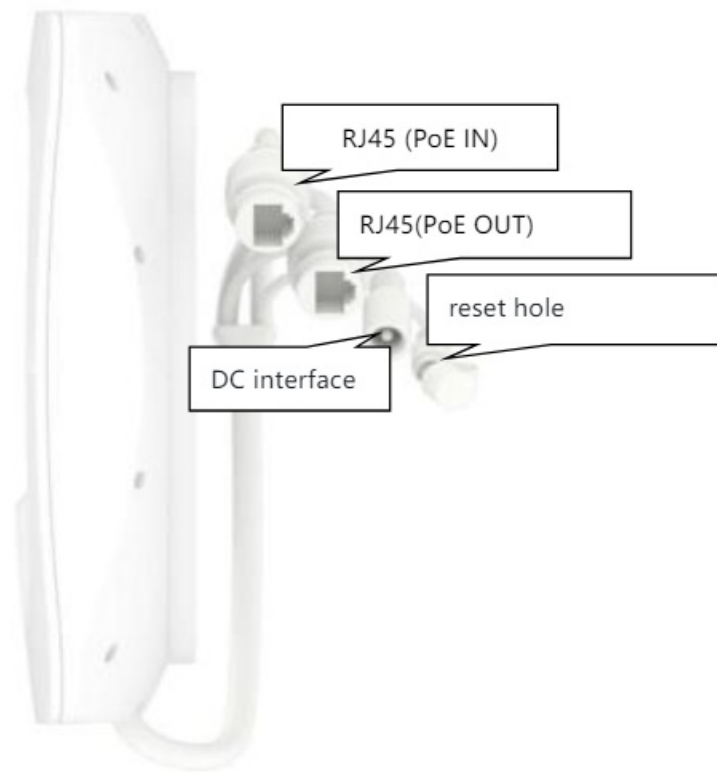
Product specifications

Name	Description
Dimensions	180.7 mm× 180.7 mm× 39.36mm
Working frequency band	2.401GHz – 2.481GHz
Operating temperature	-20°C ~ 60°C
Power consumption	2W
Installation height	≤ 10m
The power supply method	The power supply methods available are standard PoE (IEEE 802.3af/at) and DC power supply with a voltage range of 12-30V and a current of 1A.

Interface and installation instructions

Interface

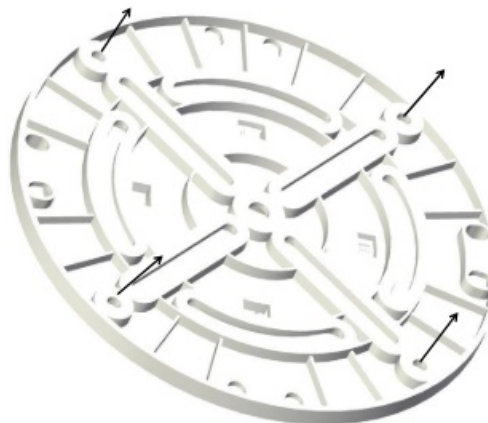
- **RJ45 * 2:** Divided into PoE IN and PoE OUT, it is a power and data transmission interface. It can be connected to a standard PoE switch or our similar dual-port base station through an Ethernet cable.
- **DC interface:** Power supply voltage compatible with PSE power supply.
- **Reset hole:** Reset button to restore default settings. Press and hold for 3 seconds. The base station's green light will flash rapidly for 5 seconds, indicating that the base station has successfully restored the initial settings and restarted.



Installation

*Before installation, please make sure that the fixed position can withstand a weight of 2kg or more.

- As shown in the image below, use KA4 screws to securely install the disk rack on the flat roof (in the direction indicated by the arrow).
- Align the installation bracket with the docking position and push the base station into the bracket slot. The direction of the network port indicated on the bracket latch surface should be consistent with the direction of the network port indicated on the back of the base station.
- Connect the upstream network cable to the base station's RJ45 interface (PoE IN).
- If there are subordinate cascaded base stations, connect the RJ45 interface (PoE OUT) of the base station to the RJ45 interface (PoE IN) of the subordinate base station using a network cable. It is recommended not to cascade more than 8 levels of base stations.



Rules for Indicator Light Signals

- After correctly installing the base station and cascading it with a PoE switch, the base station will automatically

start. Once it is started, the operational status of the base station can be determined through indicator light signals.

- The signal rules for LED indicator lights are as follows:

Lighting status	Base station status
Green light flashing rapidly, lasting for 5 seconds.	Long press the base station startup/reset button to re start.
Red light flashing rapidly.	Obtaining IP address.
Green light flashing slowly.	The IP address obtained successfully.
The greenlight steady on.	Connected to positioning engine successfully.
The red light steady on, and the base station will auto matically reset after 30 seconds.	This level base station is malfunctioning/not connecte d.
The red and green lights alternate slowly flashing.	The downstream base station in the cascade is malfu nctioning.

The light is dim.	No power connection.
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- The signal rules for the RJ45 interface indicator lights are translated as follows:

LED Indicator Light Status	Base Station Status
Steady On	Interface Connected to Network
Blinking	Interface Data Transmission
Light Off	No Network Connection

Attention Required

- When selecting PoE power supply for the positioning base station, it is necessary to use designated standard PoE power supply equipment (PSE devices compliant with IEEE 802.3af/802.3at protocols).
- The operating environment conditions for the base station are -20°C to 60°C temperature range, 0% to 95% humidity range, and it can be installed outdoors. The enclosure has a protection rating of IP66, and it should be kept away from sources of fire and strong electromagnetic interference.
- Supports upper-layer application development for Web, iOS, and Android platforms.
- The theoretical maximum installation elevation angle is 66°, but it is strongly recommended not to exceed 45°.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the

user’s authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF exposure statement:

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance between 20cm the radiator your body.

SPECIFICATION FOR APPROVAL

- **CUSTOMER:** _____
- **CUSTOMER PART NO:** _____
- **DESCRIPTION NO.** Positioning base station
- **PRESENT DAY:** 2023/03/26

DRAWING			CUSTOMER APPROVE
MADE	CHECKED	APPROVED	
1.Berry	2. Bobby	3.Henry	
DATE 2023/03/26			DATE

ShenZhen Fuwit Technology Co., Ltd.

<https://www.fuwit.com.cn>

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FUGA25P2 Positioning Base Station, FUGA25P2, Positioning Base Station, Base Station, Stati
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References

- [!\[\]\(687b6c142f51ac6f390f8bd444e38d03_img.jpg\) rfid - rfid -rfid -](#)
- [User Manual](#)

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