

MF266B

Quick Start Guide

**Scan this QR code to download the
Install Helper application.**



1. Prepare

Installation Tools

Prepare the following tools:

- Crosshead screwdriver
- Tape measure
- Marker pens
- Cutter knife
- Cable ties
- Hammer drill

Installation Precautions

- Do not install the device with the interface side facing upwards.
- Do not install the device horizontally.
- Do not install the device tilted.

 **WARNING!**

ZTE is not liable for any problem caused by device falling due to incorrect installation, such as property damage, personal injury or death.

 **WARNING!**

The device must be installed downwards and vertically. It is not recommended to install the device in other directions (including but not limited to the above scenarios). ZTE is not liable for any

problem caused by the installation in other incorrect directions.

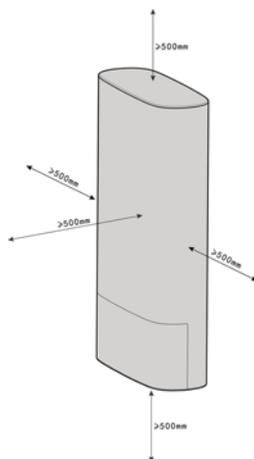
- Do not install the device at a high position (lightning area).
- The device must be placed in a well-ventilated environment for use. If possible, install the device in a place with less direct sunlight, for example, in the shade. The device must not be installed at the outlet of the exhaust pipe, or installed in a place where water passes through, for example, a rain shed.
- The device shall be installed in the position of the site survey design drawings and within the protection range of 45° of the lightning rod. In high mountains and areas with heavy lightning (the number of thunderstorm days per year exceeds 180), ensure that the device is within the protection range of 30° of the lightning rod.
- When the device is mounted on the wall, it should better be more than 1 m away from the grounding cable of the lightning rod and more than 20 cm away from the lightning protection zone.
- When installing the device against a pole, do not install a lightning rod on the pole. It is recommended that an independent lightning rod be installed near the pole. If a lightning rod is installed on the pole, it is recommended that the lightning rod be led out and grounded directly.
- The mounting pole must be firm, cannot be shaken and

must meet the wind-resistant requirements (not less than level-10 wind speed).

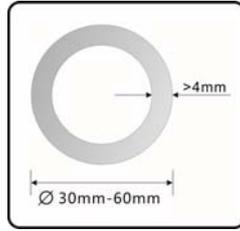
- The mounting pole should be vertical, and the vertical error should be less than $\pm 2^\circ$.

Requirements

- Installation space requirements



- Installation medium requirements: Metallic pole.

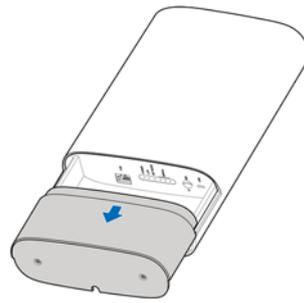


- A valid nano-SIM card



2. Insert the nano-SIM Card

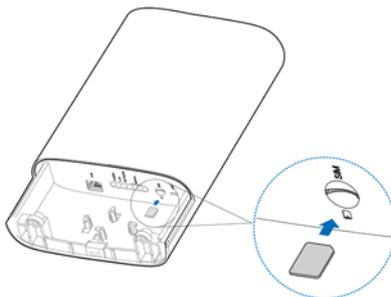
1. Use the crosshead screwdriver to loosen the two screws and then remove the front cover.



2. Insert the nano-SIM card.

⚠ WARNING!

To avoid damage to the device, do not use any other kind of SIM cards, or any non-standard nano-SIM card cut from a SIM card. You can get a standard nano-SIM card from your service provider.

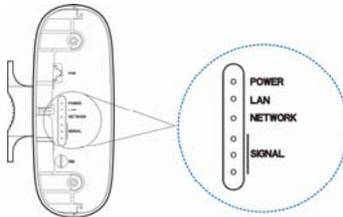


3. Locate the Installation Position

1. Use a network cable to connect the POE to your device.
2. Connect the POE to the power socket.
3. Check the SIGNAL indicator on your device to find the position.

 **NOTES :**

- Three lights show the signal strength. More lights on means better signals.
 - You also can use the Install Helper Application to help you confirm the signal strength.
4. Locate the position with the best signal strength to install your device.
 5. Disconnect the POE and the network cable.



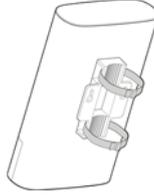
4. Install the Device

● Install the Device Against a Pole

1. Loosen the clamps.

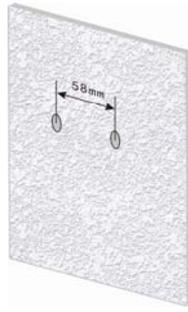


2. Pass the clamps through the mounting hole and fasten the two clamps to the pole.

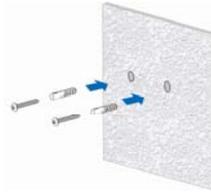


- **Install the Device on a Wall**

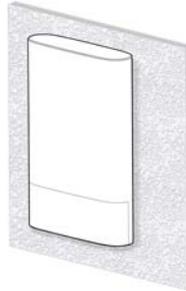
1. Mark the positions for drilling holes on the wall. The distance between two holes is 58mm.



2. Use a 6mm percussion drill to drill hole at the marked positions and install two expansion bolts.

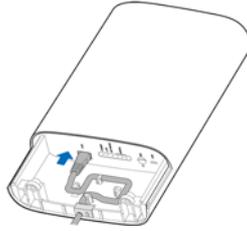


3. Hang the MF266B on the expansion bolts.



5. Connect a Network Cable

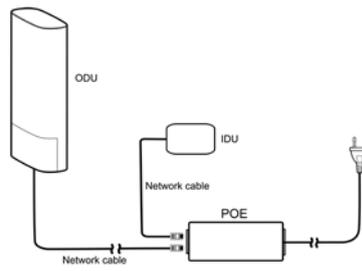
1. Pass a network cable through the waterproof rubber ring, connect to the network port and then wind this cable as shown.



2. Put the cover back and tighten the screws.

6. Connect the POE Adapter

1. Connect the network cable which is from the ODU (MF266B) to the PWR LAN-OUT port on the POE adapter.
2. Use a network cable to connect the LAN-IN port on the POE adapter to the IDU.



7. Check the Installation

Device Installation:

- The MF266B is installed firmly.
- The network cable is installed firmly.
- The nano-SIM card is installed.
- The network ports of the POE adapter are connected correctly.

Cables:

- Verify that all cables are connected properly, cable connectors are secure.
- Cables should be laid in a clear and straight manner without crossing each other. There is no obvious curve or slant. Cables do not hang in the air or cross each other.

8. Start the Device and Access the Internet

Connect the power plug of the POE adapter to the power socket. Your ODU (MF266B) will be powered on and connect to the Internet automatically. And then the IDU which is connected to the POE can access the Internet.

9. Change Your Device Settings

You can change the device settings by logging in to the configuration web page.

1. View the label in the packing box to get the default *Device Manager Website* IP address and *WebUI password*.
2. Launch the Internet browser. Enter the *Device Manager Website* IP address in the Address bar.
3. Input the *WebUI password* and then click **Login**.
4. After the configuration web page is opened, you can change the password or other settings.



NOTES:

- Please keep this label for future use.
- The default username is **admin** and the default password can be found on the device label.
- If you forget the changed WebUI password, you need to restore your device to the factory settings. Please click **Reset** on the login web page, enter the reset password written on the label and then click **Apply**.

Indicator Lights

POWER	Blue on: Power is on and POE power supply is working normally. Off: Power is off or POE power supply is working abnormally.
LAN	Blue on: The LAN port is connected. Off: No network cable is connected.
NETWORK	Red: The device is turned on but not registered to the mobile network. Blue solid: The device is connected to the 4G LTE network. Green solid: The device is connected to the 2G/3G network.
SIGNAL	Blue on: Signal level panel. Strength is from weak to strong. Off: There is no signal or no nano-SIM card is inserted.

NOTES:

- To avoid light pollution and save energy, indicators will be turned off, about 15 minutes, after the device operates normally. If indicators need to be solid on, you can change the settings on the configuration page.
- When a problem occurs, indicators will be automatically

lighted up again to help you check the device status. After the problem is resolved, indicators will be turned off immediately.

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Version No.: R1.0

Warning and Notice

Radio Frequency Interference

General Statement on Interference

Some electronic devices may be susceptible to electromagnetic interference. Locate the device away from TV set, radio and other electronic equipment to avoid electromagnetic interference.

Medical Equipment

- Switch off your wireless device when you are requested to do so in hospitals, clinics or healthcare facilities. These requests are designed to prevent possible interference with sensitive medical equipment.
- Care must be taken when using your device in close proximity to personal medical devices, such as pacemakers and hearing aids.
- Please consult your doctor and the medical device manufacturers to determine if the operation of the device may interfere with the operation of your medical devices.

Explosive Environments

- Do not use your device in dangerous environments such as petrol stations or chemical factories where there are explosive gases or explosive products being processed. In

locations with potentially explosive atmospheres, obey all posted signs to turn off wireless devices.

- Areas with potentially explosive atmospheres include fueling areas, below decks on boats, fuel or chemical transfer or storage facilities, and areas where the air contains chemicals or particles, such as grain, dust, or metal powders.
- Do not store or transport the device in containers with flammable liquids, gases, or explosives.

Product Handling

- Please keep yourself at least 20 centimeters away from your device.
- To avoid circuit malfunctions, do not use the device in dusty, damp or dirty environments or close to magnetic fields.
- Before connecting or disconnecting the device cable, stop using the device and disconnect the power adapter. You should keep your hands dry during the operation.
- When placing your device, keep it away from electrical appliances with strong magnetic or electric fields, such as microwave ovens and refrigerators.
- Do not expose your device or its accessories to liquid, moisture or high humidity. Keep them in a well-ventilated and cool environment away from direct sunlight.

- Keep your device or its accessories away from sources of heat and fire. High temperature can shorten the life of electronic devices.
- Do not wrap, seal or cover the device with towels or other objects. Do not use the device in a closed environment such as a box to avoid damage to the device due to poor heat dissipation.
- Do not allow the device or accessories to come into contact with liquid or moisture at any time. Do not immerse the device in any liquid.
- Your device may become warm during normal use. If the device temperature is too high, do not touch it.
- Do not touch the antenna unnecessarily.
- Do not drop, throw or try to bend your device or its accessories.
- Do not paint your device or its accessories.
- Do not allow children to play with the device or power adapter. Doing so may result in damage or explosion.

Small Children

- Do not leave your device and its accessories within the reach of small children or allow them to play with it. They could hurt themselves or others, or could accidentally damage the device.
- Your device contains small parts with sharp edges that may

cause an injury or may become detached and create a choking hazard.

Accessories

- Please use original accessories or accessories that are authorized by ZTE. Unauthorized accessories may affect the device performance, damage the device or cause danger to you.
- Using other types of accessories may void the device warranty, violate the local regulations and laws, and cause an accident. To obtain approved accessories, please contact an authorized service center.

Electrical Safety

- For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.
- The power plug is intended as a device to disconnect the power.
- When the device is not in use, please unplug the power adapter from the power outlet and the device.
- Do not drop or hit the power adapter. If it is damaged, please contact an authorized service center for inspection.
- If the power plug or power cable is damaged, stop using it immediately. Continued use may cause electric shock or fire.

- Do not touch the power cable with wet hands, or pull the power cable to disconnect the power adapter.
- To avoid short circuit, malfunction or electric shock, do not touch the device or power adapter with wet hands.
- When the power adapter is exposed to rain, liquid or severe moisture, stop using it and contact an authorized service center for inspection.

Cleaning and Maintenance

- The recommended operating temperatures are -40 °C to +55 °C and the storage temperatures are -40 °C to +70 °C. The humidity range is 5% ~ 95%.
- During storage, transportation, and use of the device, keep it dry and avoid sharp collisions with other objects.
- Keep the device and its accessories dry. Do not use external heating devices such as microwave ovens or hair dryers to dry them.
- Do not place the device and its accessories in areas where the temperature is too high or too low. Otherwise, the device may malfunction, catch fire or explode.
- Do not cause strong impacts to the device and its accessories. Otherwise, the device may malfunction, catch fire or explode.
- When not using the device for a long period, power it off and remove all cables connected to it.

- If any abnormal phenomenon (such as smoke, unusual sound or peculiar smell) occurs, stop using it immediately, disconnect the power adapter, unplug all cables connected to the device, and contact an authorized service center.
- Do not step on, pull, or excessively bend the device cables. Otherwise the cables may be damaged and the device may malfunction.
- Before cleaning and maintenance, stop using the device, close all applications, and disconnect all cables connected to it.
- Use an antistatic cloth to clean the device and its accessories. Do not use harsh chemicals, cleaning solvents, or aerosols to clean them. Power off your device before you clean it.
- Do not attempt to disassemble the device or its accessories. Unauthorized disassembly or modification will void the warranty.
- Only qualified personnel can service or repair the device or its accessories. If your device (or its accessories) has been submerged in water, punctured, or subjected to a severe fall, do not use it until you have taken it to be checked at an authorized service center.

Environmental Protection

- Do not dispose of the device and its accessories as

household garbage.

- Please comply with your local laws and regulations regarding the disposal of the device and its accessories.

Limited Warranty

This warranty does not apply to defects or errors in the product caused by:

- i. Reasonable abrasion.
- ii. End users' failure to follow ZTE's installation, operation or maintenance instructions or procedures.
- iii. End users' mishandling, misuse, negligence, or improper installation, disassembly, storage, servicing or operation of the product.
- iv. Modifications or repairs not provided by ZTE or a ZTE-certified individual.
- v. Power failures, surges, fire, flood, accidents, and actions of third parties or other events outside ZTE's reasonable control.
- vi. Usage of third-party products or usage in conjunction with third-party products if such defects are due to the combined usage.
- vii. Any other cause beyond the range of normal usage intended for the product.

End users have no right to reject or return the product, or receive a refund for the product from ZTE under the above-mentioned situations.

This warranty is end users' sole remedy and ZTE's sole liability for defective or nonconforming items, and is in lieu of all other warranties, expressed, implied or statutory, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, unless otherwise required under the

mandatory provisions of the law.

Limitation of Liability

ZTE shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or in connection with using of this product, no matter whether or not ZTE had been advised, knew or should have known of the possibility of such damages, including, but not limited to lost profits, interruption of business, cost of capital, cost of substitute facilities or product, or any downtime cost.

Radio Frequency (RF) Exposure

This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the United States.

During SAR testing, this device is set to transmit at its highest certified power level in all tested frequency bands, and placed in positions that simulate RF exposure in usage against the head with no separation, and near the body with the separation of 10 mm. Although the SAR is determined at the highest certified power level, the actual SAR level of the while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

The exposure standard for wireless employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.

Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on **FCC ID: SRQ MF266**.

For this device, the highest reported SAR value for near the body is **0.51** W/kg.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

SAR compliance for body operation is based on a separation distance of 10 mm between the unit and the human body. Carry this device, at least 10 mm away from your body to ensure RF exposure level compliant or lower to the reported level. To support body operation, choose the belt clips or holsters, which do not contain metallic components, to maintain a separation of 10 mm between this and your body.

FCC Compliance

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.

ⓘ CAUTION:

Changes or modifications not expressly approved by the manufacturer 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.

IC Notice

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

IC: 5200E-MF266

IC Radiation Exposure Statement

This EUT is compliance with SAR for general

population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated with minimum distance 1.5 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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