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Hours of Operation:

During School Year

Monday – Friday
8:00AM – 5:00PM

During Summer Break

Monday – Friday
7:30AM – 4:00PM

Closed while Northern Michigan University is closed.

Tell us what you think about this setup guide! Email eansupport@nmu.edu to let us know!



**NORTHERN MICHIGAN
UNIVERSITY**

Quick Setup Guide



HUAWEI OUTDOOR ANTENNA

Support: 1(888)458-8668 or eansupport.nmu.edu

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Troubleshooting

I cannot connect to the internet.

Step 1: Ensure your unit is powered on.

Step 2: Check your signal levels by following the steps on page 4. Ensure they are all in the Good Range.

Step 3: Unplug the Ethernet cable from the POE port of the power adapter, wait for 10 seconds, then plug it back in. Wait up to *15 minutes* for the device to come back online.

Step 4: Plug your computer directly into the DATA port of the POE power adapter and make sure your router is powered off. If the internet works, you may have a problem with your router.

My Internet is slow.

Step 1: Follow the steps on page 4. If your signal is below the Good range, you will have slower speeds.

Step 2: If all of your signal levels are in the good range, check to see how many devices are streaming in your home. The more devices you use, the slower your internet will be.

Step 3: Contact us to see if a speed upgrade is right for you.

I cannot see my WiFi at my home.

The Huawei Antenna does not produce a wireless signal. Please check your wireless router for issues and contact the router manufacturer with any questions.

Checking Your Signal Strength

Step 1: Wait for your antenna to fully power on

Step 2: Connect a computer directly to the DATA port of your POE Power adapter. *This may not work if you are connected through WiFi.*

Step 3: Open a web browser on your device and navigate to <http://192.168.8.1> using your address bar.

Step 4: Click on Settings when the page loads, it will ask you for login information. Input **admin** for the user and **admin123** for the password.

Step 5: Once you are logged in, you should navigate to **System** -> **Device information** using the navigation page on the left side. Find the table located on the bottom right of the screen, and compare the SINR, RSRP, and RSRQ to the table below.

SINR: 5dB ←

PCI	EARFCN	RSRP	RSRQ
10	40540	-112dBm	-12dB
0	40540	-124dBm	<-20dB
6	40740	-115dBm	-9dB

	RSRP	RSRQ	SINR
Recommended	> -90dBm	> -8dB	> 10
Good	-90dBm to -105dBm	-9dB to -10dB	8 to 10
Fair	-105dBm to -110dBm	-10dB to -12dB	6 to 8
Poor	< -110dBm	< -12dB	< 6

Box Contents

In The Box

- 1 x Huawei eA380 Outdoor Antenna
- 1 x Power-Over-Ethernet Power Adapter
- 1 x Power Line Cable
- 2 x Mounting rings
- 1 x CAT 5e Ethernet Cable

Other Important Information

This is a quick setup guide to outline a basic setup for your device. For a detailed look in the setup, please visit our website at eansupport.nmu.edu and click on *Getting Started*.

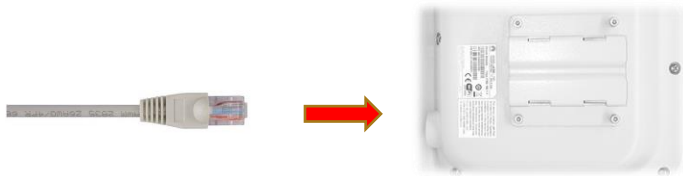
Your Huawei Antenna is not a wireless router. You may connect one computer to the internet using an Ethernet cable from the Power Adapters DATA port to the computer following the instructions in this guide. You may also connect a wireless router (sold separately) to have WiFi in the home.

Any issues contact EAN support at 888-458-8668, email eansupport@nmu.edu, or visit our website at eansupport.nmu.edu.

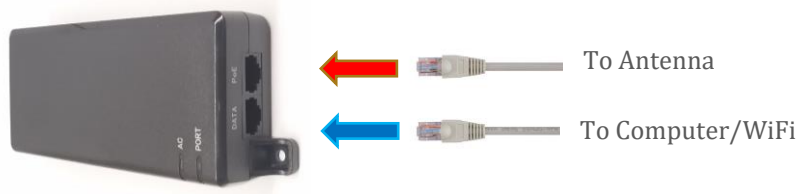
Indoor Setup

Use this setup if you will be placing the Huawei antenna inside of the home. Please point the unit out through a solid surface and avoid windows. If you have a metal roof or siding, you will need to mount this device outside.

Step 1: Plug the Ethernet Cable into the bottom of the antenna



Step 2: Plug the Ethernet Cable from the antenna into the POE port of your power adapter. Plug another cable from the DATA port into a computer or WiFi Router.

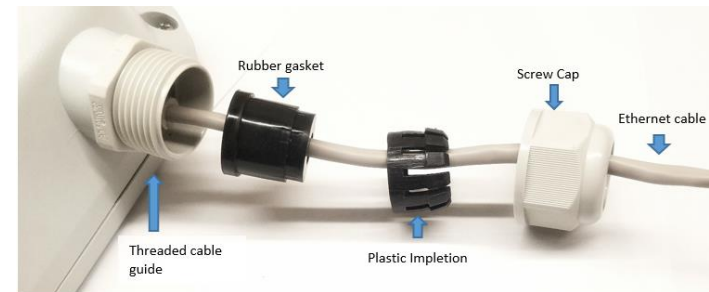


Step 3: Plug the Power Adapter into the wall and point the front end of your antenna towards your nearest tower. It may take up to 15 minutes for it to find your nearest tower.

Outdoor Setup

Use this setup if you will be placing the Huawei antenna outside of your home. Please read all instructions before mounting outside. You may need a longer Ethernet cable in order to setup your equipment outside.

Step 1: Slide the weatherization kit over the Ethernet cable as shown in the image below, then plug the Ethernet cable into the antenna.



Step 2: Push the plastic impletion over the rubber gasket, insert the gasket into the threaded cable guide, then twist the screw cap over the threaded cable guide to seal the cable opening.

Step 3: Attach the antenna mounting rings to the back of the Huawei antenna, then secure the Huawei antenna to the post by tightening the mounting rings.



Step 4: Run the Ethernet cable into the home, and follow steps 2 & 3 on page 2 **Indoor Setup** to finish your setup.