



## 4/6 dBi Surge Outdoor Dual Band Omni Antenna Kit TEW-AO46S (v1.0R)

- Pair of outdoor omni-directional dual band antennas
- 2.4 GHz: 4 dBi
- 5 GHz: 6 dBi
- Replaceable surge protection fuse
- N-Type male connector
- Compatible with 802.11ac/n/g/b/a routers and access points with N-Type female connectors

TRENDnet's 4/6 dBi Surge Outdoor Dual Band Omni Antenna Kit, model TEW-AO46S, comes with a pair of high performance outdoor antennas which support 2.4 and 5 GHz radio transmissions. The omni-directional antennas provide blanket wireless coverage, have an N-Type male connector, and feature a replaceable surge protection fuse. The antennas work with 802.11ac/n/g/b/a routers and access points with N-Type female connectors.

## Performance



### Antenna Kit

Comes with a pair of outdoor antennas



### Outdoor

Durable antenna construction for extreme outdoor conditions



### Omni-Directional

Omni-directional antennas for blanket wireless coverage



### Dual Band Support (2.4 + 5 GHz)

Compatible with 802.11ac/n/g/b/a routers and access points



### Antenna Gain

2.4 GHz peak gain: 4 dBi

5 GHz peak gain: 6 dBi



### Surge Protection

Replaceable surge protection fuse and grounding point



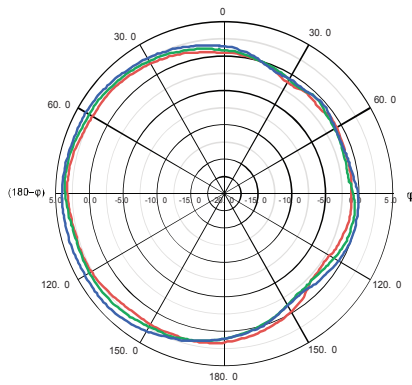
### N-Type Connector

N-Type male connectors are compatible with routers and access points with N-Type female connectors

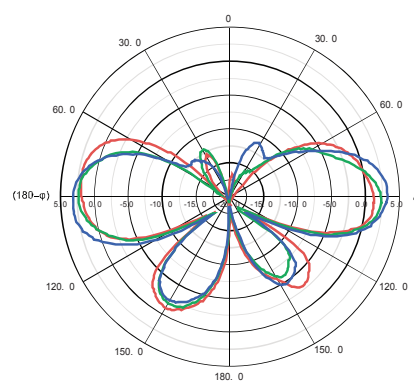
## Performance Summary

Radiation pattern 2.4 GHz

Horizontal

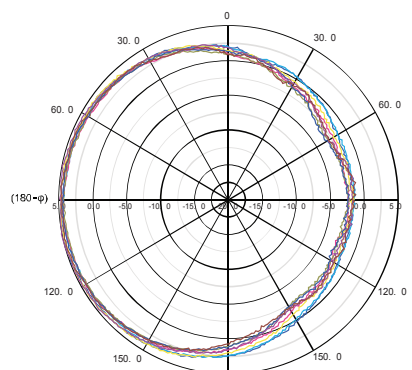


Vertical

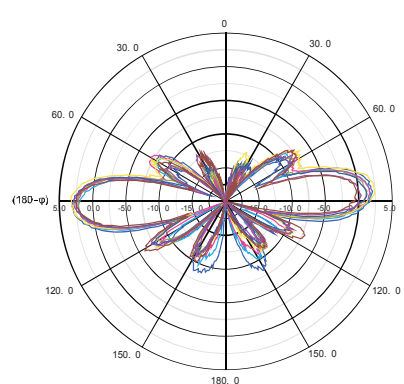


Radiation pattern 5 GHz

Horizontal



Vertical



## Specifications

### Antenna

- Omni-directional dual band (2.4 + 5 GHz)

### Frequency

- 2.4 GHz: 2.4 - 2.5 GHz
- 5 GHz: 5.15 – 5.88 GHz

### Peak Gain

- 2.4 GHz: 4 dBi (max.)
- 5 GHz: 6 dBi (max.)

### Polarization

- Linear, vertical

### Connector type

- N-Type male

### Half-Power Beam Width (HPBW)

- Horizontal: 360°
- Vertical: 30°

### Voltage Standing Wave Ratio (VSWR)

- 2.0 max.: 1

### Nominal Input Impedance

- 50 Ohms

### Power Handling

- 2 Watts

### Surge Protection

- Replaceable surge protection fuse
- Grounding point

### Operating Temperature

- -40 – 70 °C (-40 – 158 °F)

### Operating Humidity

- Max. 95 % non-condensing

### Compatibility

- Compatible with 802.11ac/n/g/b/a routers and access points with N-Type female connectors

### Dimensions

- Individual antenna: 20 x 220 mm (0.8 x 8.7 in.)

### Weight

- Both antennas: 224 g (8 oz.)
- Individual antenna: 112 g (4 oz.)

### Warranty

- 3 year limited

### Package Contents

- TEW-AO46S (2 x antennas)
- Quick Installation Guide

\* Effective wireless coverage may vary depending on the wireless device's output power, antenna gain, antenna alignment, receiving sensitivity, and radio interference. Additionally environmental factors such as weather conditions, physical obstacles, and other considerations may affect performance. For optimal results, we recommended consulting a professional installer for site survey, safety precautions, and proper installation.

