









Specification

Cellular

Antenna Elements 4 elements

 Peak Gain &
 3.0dBi: 617-960MHz

 Frequencies
 6.2dBi: 1410-2700MHz

 5.7dBi: 3400-4400MHz

5.7dBi: 3400-4400MHz 6.6dBi: 5000-6000MHz

VSWR < 2.5 over 95% of the band

Feed Power Handling 10W

 $\textbf{Input Impedance} \hspace{1.5cm} 50~\Omega$

Polarisation Linear

Connectors Right angle SMA male

GPS

Frequency Range 1575-1602 MHz

Peak Gain 0.9dBi@1575MHz

0.8dBi@1602MHz

VSWR < 2.0

Gain: LNA 27 ±3dB

Noise Figure 2.5dB

Operating Voltage 3.3V

Power Consumption 10 ±3.0mA

Connectors Right angle SMA male

Wi-F

Antenna Elements 2 elements

 Peak Gain &
 5.4dBi: 2400-2500MHz

 Frequencies
 7.4dBi: 5000-6000MHz

VSWR < 2.5

Feed Power Handling 10W

Input Impedance 50 Ω

Polarisation Linear

Connectors Right angle RP-SMA male

Specifications are subject to change without notice.



Specification

Supported Types Surface, wall, pole, deck **Product Dimensions**

Mechanical

4.72" / 120 mm - Height

9.84" / 250 mm - Diameter

Packaged Dimensions TBD

UV stable PC **Enclosure Material**

Package Contents Antenna Box

L-Mount Set

-40° - 176°F /

Double sided 3M adhesive pad

3pcs Cable Gland 2pcs Hole Plug

IP Rating IP67 Compliance ROHS, REACH, WEEE

Operating -40° - 176°F / **Wind Survivability** TBD Temperature -40° - 80°C

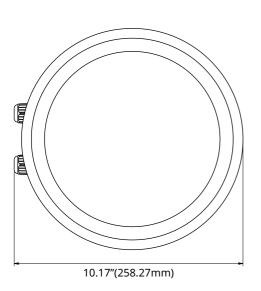
Enclosure Flammability UL 94 V-0 (1.47 mm)

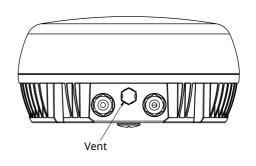
Storage Temperature -40° - 80°C **UV** resistance UL 746C (F1 long-term UV exposure)

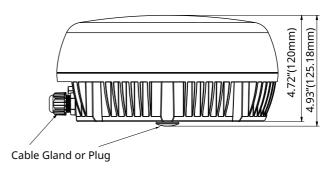
> **Salt Spray** MIL-STD 810F/ASTM 8117

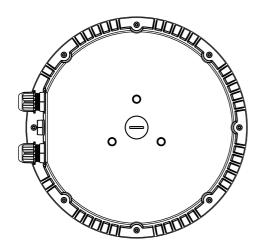


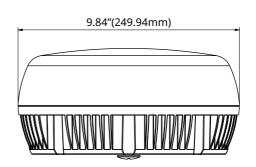
Technical Drawing













Cellular Antenna Performance

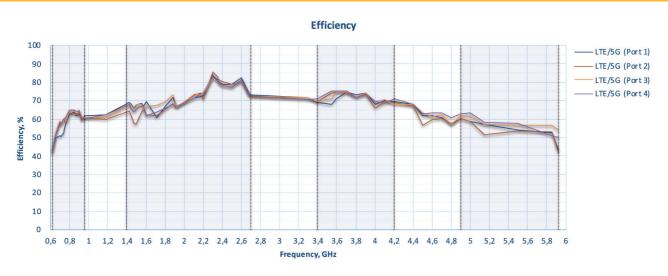
Cellular Antenna VSWR



Cellular Antenna Gain



Cellular Antenna Efficiency



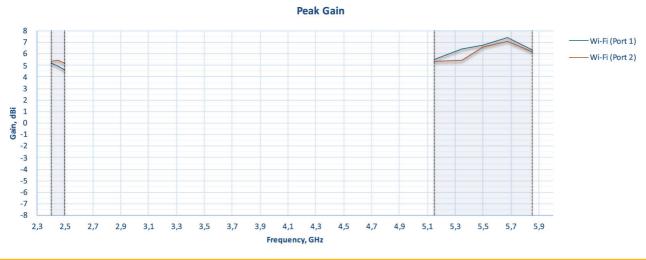


Wi-Fi Antenna Performance

Wi-Fi Antenna VSWR



Wi-Fi Antenna Gain



Wi-Fi Antenna Efficiency

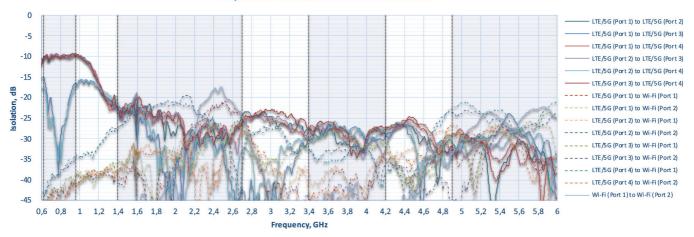




Cellular & Wi-Fi Antenna Performance

Cellular & Wi-Fi Antenna Isolation

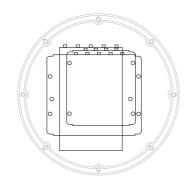
LTE/5G and Wi-Fi antenna elements isolation





Installation Recommendation

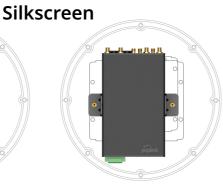
How to position the route



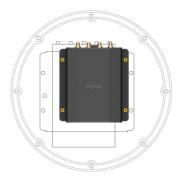
Make sure you align the router with the placement mark on the silkscreen.







Transit Duo Pro



BR1 Mini Series

Install Router



Tighten the screws securely into the corresponding router's mounting holes.





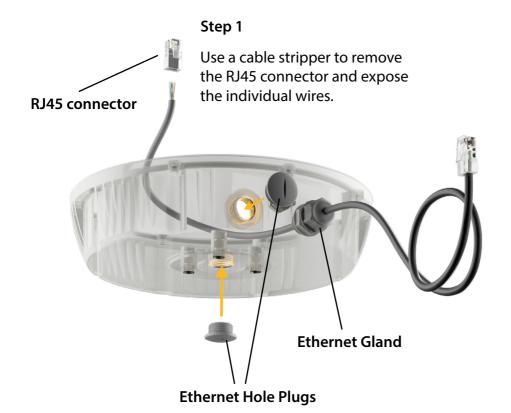
Installation Recommendation

Connecting Cables to Route

Align the **Wi-Fi**, **LTE** and **GPS** SMA cables with the corresponding ports on the router. Tighten the connector into the port securely in place.



Ethernet Cable



Step 2

Ethernet cable can be connected via the bottom or side **ethernet gland** on the device.

The ethernet holes which are not used should use ethernet hole plug to seal the hole securely.



Installation Recommendation

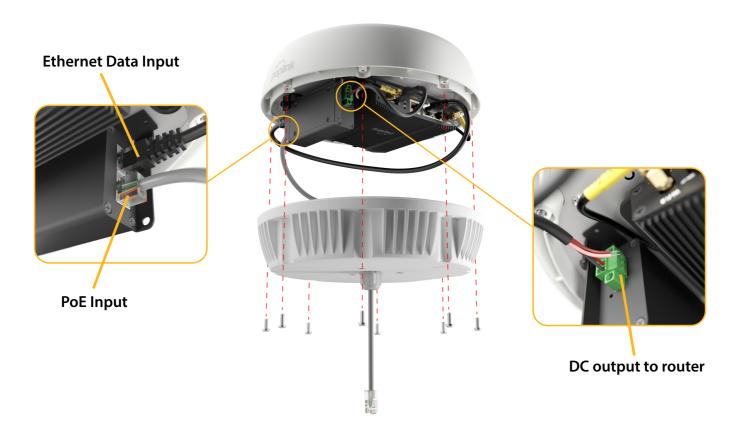
Attach the Bottom Cove



Align the bottom cover with the top cover, secure it in place, and then tighten the screws.

Install PoE Splitter

While some routers may not support Power over Ethernet (PoE) input, **Peplink PoE splitter** can be used to provide power to these devices.





Installation Recommendation

Wall Mount



Pole Mount



Vertical Pole Horizontal Pole



Installation Recommendation

Surface Mount



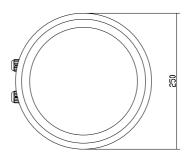
Deck Mount

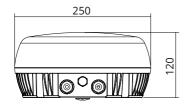


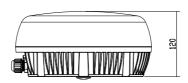


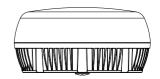
Packing List Information

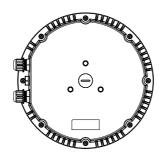
Antenna







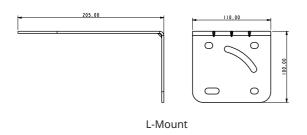






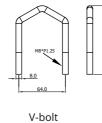


L-Mount Mount Set





(2 pcs)



(2 pcs)



V-bolt nut (4 pcs, M8)