

Helium Hotspot Antenna Upgrade Kit, 3dBi 800MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable

LCANKIT1025



Features

- 824 MHz to 876 MHz
- Increased Proof-of-Coverage
- N-Male to RP-SMA Male Low loss CA-400 series coax cable (LMR-400 equivalent)
- Lightweight fiberglass radome
- Heavy-duty steel mounting bracket
- COAX-SEAL[®] Hand Moldable Weatherproofing Tape

Applications

- Helium Network (HNT) Mining
- 800 MHz EU ISM band
- EU868, IN865, RU864
- M2M, LPWAN, LoRA, LoRaWAN, IoT, LongFi
- Industrial & Environmental Monitoring
- Smart Metering Applications
- Inventory Tracking
- Non Line of Sight (NLOS)

Description

The LCANKIT1025 EU Helium Hotspot Antenna Upgrade Kit from L-Com was designed with the serious Helium HNT Miner in mind. LCANKIT1025 provides your LongFi radio with the proper components to get the most out of your hotspot with optimized range, increased witnessing and Proof-of-Coverage over OEM components.

The LCANKIT1025 achieves enhanced performance by utilizing L-Com's 800 MHz high-performance Omni-directional antennas designed for the 800 MHz European ISM band. These LoRa, LoRaWAN antennas feature a rugged 1.3" diameter UV-stable fiberglass radome for durability, aesthetics and long service life. The LCANKIT1025 comes with a 3 dBi Omni Antenna that operates from 824 MHz to 876 MHz frequency range.

Combined with our Low Loss 400 series cable, the 400 cable features equal performance and mechanical characteristics to cables from CommScope[®], Times Microwave Systems[®], Belden[®] and Andrew[®]. This 10 ft Low Loss cable comes terminated with an N Male connector, to the antenna, and an RP-SMA Male connector compatible with the leading Hotspot miners on the market. The LCANKIT1025 from L-Com brings industry proven components direct to the Helium enthusiast, ship worldwide the same day as with our other available RF parts.

Configuration

| | |
|-------------------|-------------------|
| Design | Omni |
| Band Type | Single |
| Radiation Pattern | Omni Directional |
| Polarization | Vertical |
| Cable Type | 400 Series |
| Cable Length | 120 in [304.8 cm] |
| Connector Type | N Female |
| Number of Ports | 1 |

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 824 | | 876 | MHz |
| Input VSWR | | 1.5:1 | | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Helium Hotspot Antenna Upgrade Kit, 3dBi 800MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable LCANKIT1025](#)

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| | | |
|---------------------------------|-----------------|---------|
| Impedance | 50 | Ohms |
| Gain | 3 | dBi |
| Horizontal (Azimuth) Beam Width | Omnidirectional | |
| Vertical (Elevation) Beam Width | 70 | Degrees |
| Input Power | 100 | Watts |

Cable Assembly

| | |
|-------------|---------------------------|
| Cable Type | 400 Series |
| Impedance | 50 Ohms |
| Connector 1 | N Male |
| Connector 2 | SMA Plug Reverse Polarity |

Mechanical Specifications

| | |
|-----------------|------------|
| Radome Material | Fiberglass |
|-----------------|------------|

Size

| | |
|------------------------|---------------------------------|
| Radome Diameter | 1.3 in [33.02 mm] |
| Overall Length | 70 in [177.8 cm] |
| Width | 10 in [254 mm] |
| Height | 4 in [101.6 mm] |
| Mounting Mast Diameter | 1.2 to 2 in [30.48 to 50.80 mm] |
| Weight | 8 lbs [3.63 kg] |

Environmental Specifications

| | |
|--------------------|----------------------|
| Temperature | |
| Operating Range | -40 to +60 deg C |
| Wind Loading | 130 MPH [209.21 KPH] |

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Helium Hotspot Antenna Upgrade Kit, 3dBi 800MHz Omni w/ N Male to RP-SMA Plug, 10ft Low Loss 400 Cable from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing

