

Indoor DAS Ceiling Omni Antenna, 4.5 dBi, 698 MHz  
- 4200 MHz, 4 x N-Female, Low PIM



## HG74205QPCUPR-NF

### Features

- Indoor distribution of 5G, LTE, GSM/CDMA
- In-building public or private networks
- LPWAN, LoRA, LTE-M, NB-IoT, IoT, M2M applications
- DAS (Distributed Antenna Systems)

### Applications

- Low Passive Intermodulation (PIM) <-153 dBc @ 2x20W
- Vertical Polarization
- Low return loss, stable performance
- 4 x N-Female connector
- Covers 5G frequency bands including 600 MHz and extended CBRS

### Description

L-Com's Indoor DAS Ceiling Omni Antenna HG74205QPCUPR-NF is in stock and ready to ship the same-day of order. The HG74205QPCUPR-NF indoor ceiling omni antenna comes with 4.5dBi gain and 4 x N-female connectors. This indoor DAS ceiling omni antenna has a wide band frequency range from 698MHz to 4200MHz. The 4 port capabilities increase the 5G data speeds up to 4 x that of a single antenna. L-Com's Low PIM (low internal noise) 4xN female increases the throughput, data speeds, quality of connection and allows more users to connect to the antenna.

Our omni antenna specialists are ready and available to answer any questions you may have on the HG74205QPCUPR-NF indoor DAS ceiling omni antenna. The 4.5dBi ceiling omni antenna low profile designs allow for seamless installation indoors without creating eyesores or potential interference with indoor personnel. These low PIM antennas have low loss pigtailed that allows for installation flexibility.

Contact L-Com's expert technical support for assistance with the indoor DAS ceiling omni antenna or any Antenna. Our knowledgeable sales team simplifies the purchasing process and ensures that your ceiling Omni antenna will be exact to specification.

The omni antenna HG74205QPCUPR-NF from L-Com provides a higher quality connection and improved longevity. Order your 4-port low PIM (low noise) Indoor DAS Ceiling Omni Antenna HG74205QPCUPR-NF from L-Com today. There is no MOQ (minimum order quantity) and the product ships same day from our warehouse.

### Configuration

|                   |                     |
|-------------------|---------------------|
| Design            | Ceiling             |
| Band Type         | Wide                |
| Radiation Pattern | Omni Directional    |
| Polarization      | Vertical/Horizontal |
| Connector Type    | N Female            |
| Interface 2       | N Female            |
| Interface 3       | N Female            |
| Interface 4       | N Female            |
| Number of Ports   | 4                   |

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | 698     |         | 4,000   | MHz   |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[Indoor DAS Ceiling Omni Antenna, 4.5 dBi, 698 MHz - 4200 MHz, 4 x N-Female, Low PIM HG74205QPCUPR-NF](#)

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|  |    |       |       |
|--|----|-------|-------|
| Input VSWR                                     |    | 1.8:1 |       |
| Impedance                                      | 50 |       | Ohms  |
| Gain   | 3  | 4.5   | dBi   |
| Input Power                                    |    | 50    | Watts |
| Passive Intermodulation<br>3rd order, 2 x 20 W |    | -153  | dBc   |

### Specifications by Band

| Description            | Band 1        | Band 2      | Band 3   | Band 4 | Band 5 | Units   |
|------------------------|---------------|-------------|----------|--------|--------|---------|
| Range                  | 0.698 to 0.96 | 1.71 to 2.7 | 3.3 to 4 |        |        | GHz     |
| Gain                   | 3             | 3.5         | 4.5      |        |        | dBi     |
| Horizontal HPBW        | 360           | 360         | 360      |        |        | Degrees |
| Vertical HPBW          | 90            | 85          | 45       |        |        | Degrees |
| Port to Port Isolation | 16            | 20          | 25       |        |        | dB      |
| VSWR Max               | 1.8:1         | 1.8:1       | 1.8:1    |        |        |         |

### Mechanical Specifications

|                 |                     |
|-----------------|---------------------|
| Radome Material | ABS                 |
| <b>Size</b>     |                     |
| Length          | 14.1732 in [360 mm] |
| Width           | 14.1732 in [360 mm] |
| Height          | 0.944882 in [24 mm] |
| Weight          | 1.98416 lbs [900 g] |

### Environmental Specifications

|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| Operating Range    | -55 to +60 deg C |
| Humidity           | <95              |

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

### Plotted and Other Data

Notes:

Indoor DAS Ceiling Omni Antenna, 4.5 dBi, 698 MHz - 4200 MHz, 4 x N-Female, Low PIM from L-com has same day shipment for

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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 impliment 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.

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L-com CAD Drawing

