# Ceiling Mount Omnidirectional Diversity Antenna

The MCD2400PT combines two flat ceiling mount omnidirectional antennas in a single housing for efficient spatial diversity installations. This antenna is designed to cover frequencies from 2400 to 2485 MHz with a VSWR of less than 1.5:1 and an isolation between two elements of more than 20 dB. A dual stud drop ceiling mount makes for effortless installation. The antenna includes pigtails that can be terminated with various types of connector options.



MCD2400PT

## Features

- Efficient omnidirectional diversity performance. Provides the excellent performance of two omnidirectional antennas in a single low profile housing.
- Attractive, low profile housing. Blends well in office environments and other locations where aesthetic considerations are important.
- UL listed materials and cable. Meets strict safety specifications.
- Dual stud drop ceiling mount. Easy to install on standard ceiling tiles or solid ceiling surfaces.
- Includes side cable exit adapter for solid ceiling mounting.



MCD2400PT
with ceiling mount adapter

## RF/Electrical Specifications

| Model | Frequency Range | Nominal Gain | Isolation | Horizontal Beamwidth | Vertical Beamwidth |
|---|---|---|---|---|---|
| MCD2400PT | 2.4-2.485 GHz | 2.5 dBi | > 20 dB | 360° | 40° |
| MCD2400PT36 | 2.4-2.485 GHz | 2.2 dBi | > 20 dB | 360° | 40° |

## Mechanical Specifications

| Model | Dimensions | Weight (Mass) | Temperature Range |
|---|---|---|---|
| MCD2400PT | 4.25" W x 8.5" L x 0.5" H (10.8 x 21.59 x 1.27 cm) | 1 lb (0.45 kg) | -40°C to +80°C |
| MCD2400PT36 | 4.25" W x 8.5" L x 0.5" H (10.8 x 21.59 x 1.27 cm) | 1 lb (0.45 kg) | -40°C to +80°C |



## Technical Data

| |
|---|
| **Maximum Power Input:**<br>50 watts |
| **Polarization:**<br>Vertical, linear |
| **Nominal Impedance:**<br>50 ohms |
| **VSWR:**<br>< 1.5:1 |
| **Radome Housing:**<br>UL 94-V0 plastic |
| **Mounting Method:**<br>Dual stud mount.<br>Above ceiling tile mounting bracket is available for applications requiring no visibility of the antenna (sold separately). Side cable exit adapter for solid ceiling mounting (included). |
| **Cable:**<br>Dual 12" (30.5 cm) Plenum RG-58/U CL2P MCD2400PT36 includes two 36" (91.4 cm) Plenum RG-58/U CL2P pigtails |
| **Connector Options:**<br>(add connector part number after the PT prefix)<br><br>Example: MCD2400PTNF (model MCD2400PT with N, female connector)<br><br>N female (part #NF)<br>Reverse Polarity TNC (part #RPC)<br>Reverse Polarity Male SMA (part #RPMSMA) |