

ISM-Band/Wireless LAN Antennas

Flat Panel High Directivity Accurized Array for 2.4 GHz

Designed to provide optimum link performance in a small form factor, the QD-2452 provides the high gain and superior lobe shaping normally found only in larger antennas. This antenna has been specifically optimized to provide superior performance in the 2.4 GHz ISM Band. The antenna is an excellent choice for multi-point subscriber systems or short to medium haul point-to-point wireless data or LAN installations. It is available in white or gray and can be painted to match the installation area at the subscriber premise. It may be installed in either vertical or horizontal polarization.



New Product Bulletin

Electrical Specifications

<u>Antenna Model Number</u>	<u>QD-2452</u>
Gain (dBi)	16 dB +/- 1dB
Polarization Isolation, dB	>30
Sidelobe Suppression, dB	>17
-3dB Beamwidth (⁰ Vert.: ⁰ Hor.)	27:27
-10dB Beamwidth (⁰ Vert.: ⁰ Hor.)	47:47
Front/Back Ratio, dB	>30
Impedance, ohms	50
VSWR typical	1.5:1

Mechanical Specifications

<u>Antenna Model Number</u>	<u>QA-2452</u>
Output Connector	'N' Type Female
Mounting, <i>in (m)</i>	1-2 (.025-.05) O.D Pipe
Vertical Tilt	0—+/-60 ⁰
Operational Wind Load	75 MPH, 39.4lb 7.87kg)
Survivable Wind Load	140 MPH, 77lb (34.92kg)
Reflector Material	Aluminum
Reflector Type	Shaped Planar Array
Radome	ABS
Dimensions, <i>in (m)</i>	10.75 x 11 (.267 x .28)
Weight-Antenna, <i>lb (kg)</i>	2 (.91)
Weight-Mount, <i>lb (kg)</i>	1 (.45)

Ordering Information

QD-2452-W White Finish
QD-2452-G Gray Finish

Features

- **Low profile design**
- **Superior gain and directivity**
- **High F to B Ratio**
- **Lightweight**

Benefits

- **Aesthetic Appeal**
- **Fast Installation**
- **Unlimited Adjustability**
- **Improved Path Reliability**

Azimuth Pattern

