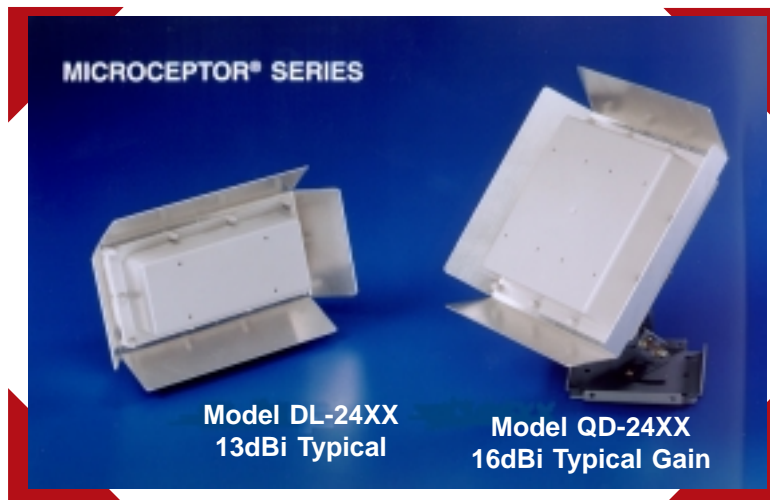


**For World-Wide Applications**  
**WLAN/ISM**  
**2.4 - 2.5 GHz\***

**Microceptor® Series**  
**ANTENNAS**



**FEATURES**

- Excellent Cross Pole Patterns
- Quick Mount "U" Bracket
- Tilt Mast Mount Option
- Broad Beam Width Option
- Light Weight But Durable
- Low Wind Loading
- Five Year Warranty

**BENEFITS**

- Superior Performance
- Easy To Install
- Optimize Signal Level
- Wide Area Coverage
- Saves On Shipping Costs
- Minimal Hardware Per Installation
- Guaranteed Reliability

**MODELS**

- DL-2400**
  - 13dBi Typical Gain
  - Standard Mast Mount
- DL-2402**
  - 13dBi Typical Gain
  - Elevation Mast Mount
- QD-2400**
  - 16dBi Typical Gain
  - Standard Mast Mount
- QD-2402**
  - 16dBi Typical Gain
  - Elevation Mast Mount
- DL-2410**
  - 11dBi Typical Gain
  - Standard Mast Mount
  - 75° 3 db Beam Width
- DL-2412**
  - 11dBi Typical Gain
  - Elevation Mast Mount
  - 75° 3 dB Beam Width



**Standard Mount Model QD-2400.**

The Standard Mount is also available on Models DL-2400 and DL-2410.



**Elevation Mount Model QD-2402.**

The Microceptor is shown with the Optional Right Male Adapter.

The Elevation Mount is also available on Models DL-2402 and DL-2412.

**C O N I F E R II®**  
 WIRELESS TELECOMMUNICATION TECHNOLOGY



1400 N Roosevelt, Burlington, IA 52601  
 Phone 800-843-5419 (U.S.), 319-752-3607 (Int'l)  
 Fax 319-753-5508, email <conifer@conifercorp.com>

\*Contact Conifer's Sales Department for other frequencies such as PCS, ENG, WLL, WCS.

# MICROCEPTOR®\* ANTENNAS

## MODELS QD AND DL

### ELECTRICAL SPECIFICATIONS\*\*

	<b>DL-2400</b>	<b>DL-2402</b>	<b>QD-2400</b>	<b>QD-2402</b>	<b>DL-2410</b>	<b>DL-2412</b>
Gain	13dbi	13dBi	16dBi	16dBi	11dBi	11dBi
3db Beamwidth						
--E Plane	47°	47°	27°	27°	27°	27°
--H Plane	27°	27°	27°	27°	75°	75°
F/B Ratio	>40dB	>40dB	>40dB	>40dB	>25dB	>25dB
Cross pole	>25dB	>25dB	>30dB	>30dB	>25dB	>25dB
VSWR	1.4:1	1.4:1	1.5:1	1.5:1	1.4:1	1.4:1
Impedance	50 OHMS	50 OHMS	50 OHMS	50 OHMS	50 OHMS	50 OHMS
Windloading						
@100MPH	25.0 lbs.	25.0 lbs.	39.4 lbs.	39.4lbs.	25.0lbs.	25.0lbs.
@140MPH	49.4 lbs.	49.4 lbs.	77.0 lbs.	77.0lbs.	49.4lbs.	49.4lbs.
Polarity	Dual	Dual	Dual	Dual	Dual	Dual
Input Power	50 Watts	50 Watts	50 Watts	50 Watts	50 Watts	50 Watts
Connector "N"	Female	Female	Female	Female	Female	Female
Right Angle Male	Optional	Optional	Optional	Optional	Optional	Optional
Standard Mount	1-2 in O.D. Pipe	--	1-2 in O.D. Pipe	--	1-2 in O.D. Pipe	--
Elevation Mount	--	60° in 10° increments or less	--	60° in 10° increments or less	--	60° in 10° increments or less

### PHYSICAL FEATURES

	<b>DL-24XX</b>	<b>QD-24XX</b>
Size		
Inches	7.5 x 11	10.75 x 11
Millimeters	190.5 x 279.4	273.1 x 279.4
Weight		
Pounds	1.4	2.0
Kilograms	.64	.91
Reflector Material	Stamped Aluminum	Stamped Aluminum
Back Plate Bracket Material	Zinc-plated Steel	Zinc-plated Steel
Housing Material	High Impact ABS Plastic	High Impact ABS Plastic

\*One or more Patents may apply: 5,229,782 • 5,523,768 • 5,402,138 • 5,394,115 • Patents Pending

\*\*Specifications subject to change without notice.

**MANUFACTURED IN BURLINGTON, IOWA**