

UDP400 Dipole Antenna

Antenna for use with ELPRO 400-MHz products



Description

The UDP400 Dipole Antenna is a ground-independent, 1/2-wave coaxial antenna suitable for use with ELPRO 400-MHz products.

Vertically polarized with an omnidirectional radiation pattern, the antenna is equipped with a fiberglass radome and powder-coated aluminum mounting pole. The UDP400 is available with an N-type connector or a 10' (3m) RG-58 cable with BNC termination options.

The antenna requires a mounting bracket to secure it. For best results, use the BR-COL-KIT mounting kit.

Specifications

SPECIFICATION	DESCRIPTION
Parameters	
Frequency	360–520 MHz ①
Gain	2 dBi
Bandwidth	2.5 MHz at center frequency
VSWR	<1.5:1
Polarization	Vertical
H-plane	Omnidirectional
Termination	
Termination	N-type female ②, 10' (3m) RG-58 coaxial cable terminated with BNC male ③
General	
Size	23.6" (0.6m)
Housing	Fiberglass radome
Mounting	0.8" (20 mm) OD powder-coated pole
Weight	0.33 lbs (0.15 kg)
Wind loading	5.5 lbs (2.5 kg) at 99 mph (160 km/h)

Note: Specifications are subject to change.

① Specify center frequency when ordering.

② UDP400-C

③ UDP400-3

Ordering

PRODUCT CODE	DESCRIPTION	FREQUENCY
UDP400-C	Dipole antenna, N-type female, 2 dBi	360–520 MHz
UDP400-3	Dipole antenna, BNC male, 2 dBi	360–520MHz

Product Compatibility

PRODUCT CODE	DESCRIPTION	DATA SHEET
BR-COL-KIT	Mounting bracket kit for dipole and collinear antennas	TD032071EN



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