



ACCESSORIES +

ELPRO ANTENNAS 800/900MHZ BAND

Antenna's for use with ELPRO products in the 869-900MHz bands

OMNI DIRECTIONAL

The 800-900MHz Omni antennas from ELPRO Technologies are ground-independent antennas suitable for use with the ELPRO 800-900MHz products. Constructed of aluminum, the antenna is vertically polarized with a directional radiation pattern.

SPECIFICATIONS



Parameters	WH900	DG800 ^a & DG900 ^{a,b}	CFD890EL	SG900EL	SG900-6
Frequency ^a	865-930MHz	850-880MHz & 900-930MHz	853-929MHz	853-929MHz	853-929MHz
Gain	-2dBi	-2dBi ^a , -4dBi ^b	2dBi ^c	5dBi	8dBi
H-Plane	Omni directional (360°)	Omni directional (360°)	Omni directional (360°)	Omni directional (360°)	Omni directional (360°)
E-Plane	N/A	N/A	N/A	N/A	N/A
Bandwidth	65Mhz, Center freq	N/A	76 MHz	65 MHz	65 MHz
VSWR	Less than 1.5:1 ratio across band				
Polarization	Vertical				
Termination	SMA male	SMA male 1m (3.2') cable ^a SMA male 5m (16.4') cable ^b	SMA male 5m (16.4') cable	N type female with 100mm (4") of RG-58 coaxial cable	N-type female
Housing	PVC	PVC/Wire	Fiberglass radome	Fiberglass / aluminium	Fiberglass / aluminium
Mounting	SMA male connector	SMA male connector	Aluminum ferrule with 12.7mm (0.5") hole and locknut	Aluminum ferrule with 12.7mm (0.5") hole and locknut	Aluminum tube 20 mm (0.8") ø, use BR-COL-KIT mounting kit
Wind loading at 160Km/h (99mph)	N/A	N/A	N/A	4.6kg (10.1lbs)	7kg (15.4lbs)
Bracket Included	Yes	Yes	Yes	Yes	No
Dimensions					
Size (length)	90mm (3.5")	150mm (6")	400mm(15.7")	900mm(35.7")	1.37m(4.5')
Weight	0.1kg (0.22lbs)	0.1kg (0.22lbs)	0.35kg (0.8lbs)	0.55kg (1.21lbs)	0.7kg (1.5lbs)

Note: Specifications are subject to change.

^a = 1m coaxial cable - DG800 & DG900

^b = 5m coaxial cable - DG900 Only

^c = Included coax cable, provides unity gain

YAGI ANTENNAS

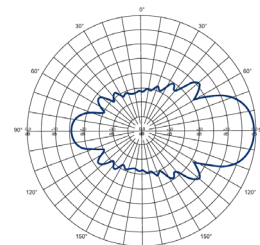
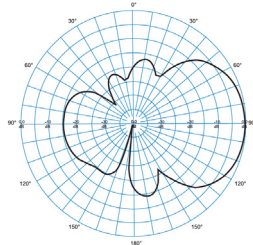
The 800-900MHz Yagi antennas from ELPRO Technologies are ground-independent antennas suitable for use with the ELPRO 800-900MHz products.



SPECIFICATIONS

Parameters	YU6-900	YU16-900
Frequency ^a	850-930MHz	850-930MHz
Gain	11dBi	14dBi
H-Plane	61°	30°
E-Plane	49°	30°
F/B ratio	20dB	18dB
Bandwidth	Full band	Full band
VSWR	Less than 1.5:1 ratio across band	
Polarization	Vertical or Horizontal as per licence application	
Termination	N-type female on 200mm (7.8") coax tail	
Housing	Aluminium with alodined finish	
Mounting	BR-YAG-KIT for pole mount up to 50mm (2")	
Wind loading at 160Km/h (99mph)	2.85kg (6.2lbs)	7.7kg (16.9lbs)
Bracket Included	Yes	Yes
Dimensions		
Size (length)	0.6m (1.9')	1.6m (5.2')
Weight	0.4kg (0.8lbs)	1kg (2.2lbs)

Antenna Radiation Pattern



Order Codes

WH900	Demo Whip Antenna, -2dBi Gain, 90mm (3.5"), SMA male
DG800 & DG900	CoDipole whip Antenna, -2dBi & -4dBi Gain, 150mm (6"), 1m & 5m Coax cable, SMA male, mounting bracket included
CFD890EL	Colinear Antenna, 2dBi Gain, 400mm (15.7"), 5m Coax cable, SMA male, mounting bracket included
SG900EL	Colinear Antenna, 5dBi Gain, 900mm (35.4"), 100mm Coax tail, N Type female, mounting bracket included
SG900-6	Colinear Antenna, 8dBi Gain, 1.37m (4.5'), N Type female
YU6-900	Directional panel Antenna, 11dBi Gain, 0.6m (1.9'), N Type female coax tail, mounting bracket included
YU16-900	Directional Yagi Antenna, 14dBi Gain, 1.6m (5.2"), N Type female coax tail, mounting bracket included

Note: Specifications are subject to change.

CONTACT

Australia

ELPRO Technologies
 29 Lathe Street
 Virginia QLD 4014
T +61 7 3352 8600
E sales@elprotech.com
W elprotech.com

USA

ELPRO Technologies Inc
 2028 East Ben White Boulevard
 #240-5656 Austin, TX 78741-6931
T +1 855 443 5776
E sales@elprotech.com
W elprotech.com

HOW TO ORDER

Simply send us an email at sales@elprotech.com, contact your local distributor, or phone **+61 7 3352 8600**