

## WPA-70090-8CF-EDIN-X

Single Band | Panel Antenna | V-Pol | 90° | 16.6 dBi | Fixed Tilt

- Single band, panel antenna with fixed electrical tilt

### Ordering Options

When ordering, replace the "X" in the model number with the electrical downtilt. Select from the options listed in the Electrical Downtilt section below.

Electrical Characteristics		696-960 MHz	
Frequency Bands		696-806 MHz	806-960 MHz
Polarization		Vertical	
Horizontal Beamwidth		92°	90°
Vertical Beamwidth		9°	7°
Gain		16.1 dBi	16.6 dBi
Electrical Downtilt		(X) 0	
Impedance		50Ω	
IM3 (2x20W carrier)		-147 dBc	
Upper Sidelobe Suppression (0°)		-17.7 dB	-18.7 dB
Front-to-Back Ratio (±30°)		-21.0 dB	-21.4 dB
VSWR		1.5:1	
Null Fill		5% (-26.02 dB)	
Input Power		500 W	
Total Number of Connectors		Antenna has 1 connector located on the center (back) of the antenna	
Connectors Per Band	696-960 MHz	1 Connector, Elongated 7/16-DIN Female (EDIN)	
Lightning Protection		Direct Ground	

### Mechanical Characteristics

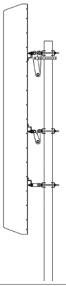
Dimensions (Length x Width x Depth)		2404 x 204 x 151 mm	94.6 x 8.0 x 5.9 in
Depth with z-brackets		191 mm	7.5 in
Weight without Mounting Brackets		10.4 kg	22.9 lbs
Wind Area	Front	0.49 m²	5.3 ft²
	Side	0.36 m²	3.9 ft²
Survival Wind Speed		> 201 km/hr	>125 mph
Wind Load (161 km/hr or 100 mph)	Front	722 N	162 lbf
	Side	643 N	145 lbf

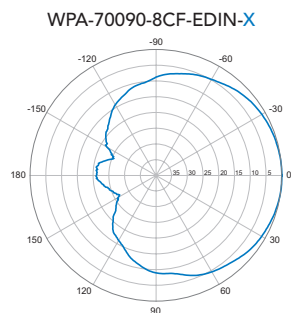


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

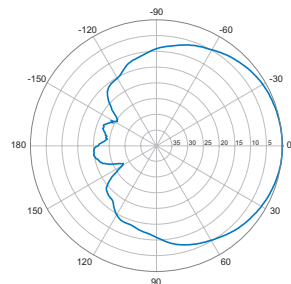
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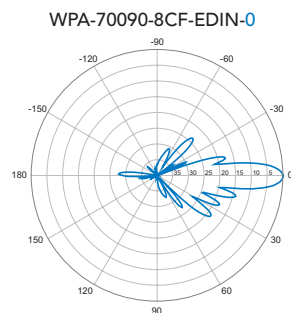
Mounting Options	Part Number	Image	Fits Pipe Diameter	Weight
All mounting bracket kits are ordered separately unless otherwise indicated. Select from the options listed below.				
3-Point Mounting and Downtilt Bracket Kit	21700000		50-102 mm 2.0-4.0 in	8.2 kg 18.1 lbs
Lock-Down Brace	If the lock-down brace is used, the maximum diameter of the mounting pipe is 88.9 mm or 3.5 in.			



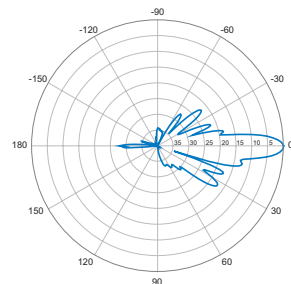
Horizontal | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 750 MHz



0° | Vertical | 850 MHz

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