



MYP24015PT



MYP24010PT



MYK18

## MYP Enclosed Yagi Antenna Series

The MYP directional yagis can be used as bridge antennas between two networks or for point-to-point communications. They are field adjustable for vertical or horizontal polarization with matched principal plane beamwidths for optimum performance in either orientation. This design also provides improved front-to-back ratio and sidelobe suppression that reduces interference. All models feature a robust mounting structure for consistent performance regardless of weather conditions.

### Features

- Field adjustable to allow vertical or horizontal polarity. Eliminates co-channel interference from neighboring radiators. Polarity markings molded on the antenna ensure installation in the correct orientation.
- Optional, articulating mount. Allows precise adjustment of the antenna both vertically and horizontally.
- All antennas include a robust mast mount bracket designed to withstand 125 mph wind.
- Matched principal plane beamwidths with excellent sidelobe suppression and cross-polarization rejection of more than 20 dB. Provides superior signal quality with enhanced gain performance and minimal interference from neighboring radiators.
- 30 dB front-to-back ratio permits less physical separation on the tower thus adding mounting flexibility at installation sites where space is limited.
- Attractive weather-proof radome constructed of UV resistant material. Provides robust and trouble-free use in harsh outdoor environments.



### Technical Data

<b>General Specifications:</b> 2.4 GHz ISM enclosed yagi antenna series
<b>Maximum Power:</b> 5 watts
<b>Polarization:</b> Vertical or horizontal, linear (user adjustable)
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR:</b> < 1.5:1
<b>Termination:</b> N, female is standard Consult factory for other connector options
<b>Mounting Method:</b> Heavy duty yagi mounting bracket (included) permits mast mounting on masts up to 2" O.D. MYK18 adjustable wall/pipe mount allows 180° (included angle) azimuth and elevation adjustment (sold separately.) Stacking harnesses available to stack two yagis (sold separately.)

For detailed specifications, visit <http://antenna.pctel.com>.

## Antenna Electrical Specifications

Model	Frequency Range	Nominal Gain	Horizontal Beamwidth @ 1/2 Power	Vertical Beamwidth @ 1/2 Power	Front-to-Back Ratio
MYP24010PT	2400-2485 MHz	10 dBi	55°	55°	23 dB
MYP24014PT	2400-2485 MHz	14 dBi	30°	30°	30 dB
MYP24015PT	2400-2485 MHz	15 dBi	30°	30°	30 dB

## Mechanical Specifications

Model	Length	Weight (Mass)	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Wind Survival	Cable
MYP24010PT	4.5" L x 3" OD (114 x 76 mm)	1 lb (0.5 kg)	5.8 lbs	0.060 ft <sup>2</sup>	125 mph	3' (914.4 mm) coax
MYP24014PT	14" x 3" OD (356 x 76 mm)	1 lb (0.5 kg)	18.3 lbs	0.20 ft <sup>2</sup>	125 mph	36" (914 mm) coax
MYP24015PT	14" x 3" OD (356 x 76 mm)	1 lb (0.5 kg)	18.3 lbs	0.20 ft <sup>2</sup>	125 mph	18" (457 mm) coax