



Access Points/Panel Antennas (APD)



FEATURES/BENEFITS:

- **Narrow elevation beamwidth**
- **Gain where you need it the most**
- **Available in multiple polarizations to accommodate different environments**
- **Easy to install**
- **Attractive low profile, UV stable radome**
- **Blends perfectly in different environments**

TECOM's APD antenna series is a perfect fit for any setting that needs wireless access in a linear uniform pattern. The APD antenna series offers high linear gain as typical performance which makes the wireless connectivity more reliable under difficult situations.

Electrical Performance Specifications

High Gain Panels

Type Number	Frequency Range	Gain	VSWR	3dB Beamwidth	Polarization
503034	902 - 928 MHz	12 dBil Typical	2.0:1 Max	45° (Typical) Elevation 45° (Typical) Azimuth	Linear
504030*	1.8 - 1.95 GHz	12 dBil	2.0:1 Max	±22° (Typical) Elevation ±18° (Typical) Azimuth	Linear
504034	1.8 - 1.95 GHz	12 dBic	2.0:1 Max	±22° (Typical) Elevation ±18° (Typical) Azimuth	Circular
504040	1.85 - 1.99 GHz	17 dBil Typical	2.0:1 Max	25°	Linear or Circular
505025**	2440 ±45 MHz	9 dBil	2.0:1 Max	±22° (Typical) Elevation ±45° (Typical) Azimuth	
505021	2.4 - 2.485 GHz	11 dBic	2:1 Max	±22° (Typical) Elevation ±18° (Typical) Azimuth	Circular
505026***	2440 ±45 MHz	11 dBil	2.0:1 Max	±22° (Typical) Elevation ±18° (Typical) Azimuth	
505039	2.4 - 2.485 GHz	17 dBil	2.0:1 Max	25°	Linear or Circular
506021	5.8 GHz	15 dBil Nominal	2.0:1 Max	±13° (Typical) Elevation ±20° (Typical) Azimuth	Linear

*Side Lobe Level: 20 dB Elevation, 15 dB Azimuth; Front / Back: 20 dB

** Front / Back Ratio: 15 dB

*** Front / Back Ratio: 20 dB

Electrical Performance Specifications					
Dual Band Panels					
Type Number	Frequency Range	Gain	VSWR	3dB Beamwidth	Polarization
508021*	2.44 GHz**	20 dB Min	2.0:1 Max	14° Max	LHCP
	5.78 GHz***	23 dB Min	2.0:1 Max	7.5° Max	RHCP
508021B*	2.44 GHz**	20 dB Min	2.0:1 Max	14° Max	RHCP
	5.8 GHz***	23 dB Min	2.0:1 Max	7.5° Max	RHCP
508022B*	2.44 GHz**	9 dBic	2.0:1 Max	14° Max	RHCP
	5.8 GHz***	20 dBic	2.0:1 Max	7.5° Max	RHCP
508023B*	2.44 GHz**	20 dB Min	2.0:1 Max	14° Max	RHCP
	5.78 GHz***	9 dB Min	2.0:1 Max	7.5° Max	RHCP

*Front / Back Ratio: 28 dB

** Beam Squint 1.5°

*** Beam Squint 2.0

Electrical Performance Specifications					
Low Gain Panels					
Type Number	Frequency Range	Gain	VSWR	3dB Beamwidth	Polarization
503022	902 - 928 MHz	4 dBil Min	2.5:1 Max	±44° (Typical) Elevation ±35° (Typical) Elevation	Linear
503033	902 - 928 MHz	5 dBic on Axis	2.0:1 Max	90°	Circular
506028*	5.7 - 5.85 GHz	6 dBil Nom@Zenith	2.0:1 Max	105° Typical Elevation	Circular

*Front / Back Ratio: >20 dB