

5GHz 15dBi Dual Polarity Flat Panel Directional Antenna

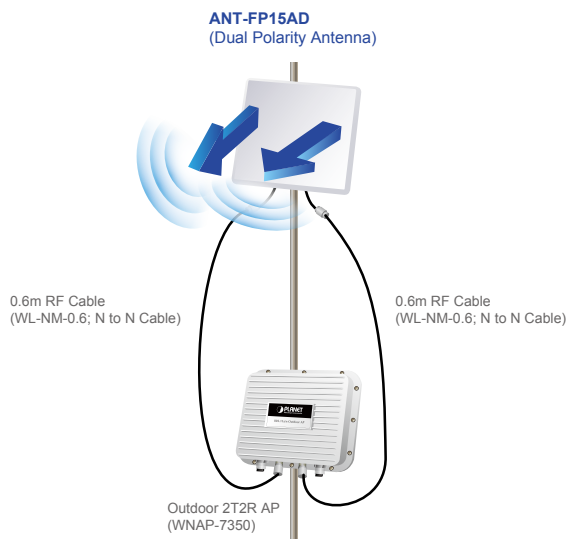


PLANET ANT-FP15AD is a 5GHz 15dBi Dual Polarity Flat Panel Directional Antenna equipped with two N-type female connectors. The antenna increases wireless signal coverage and improves signal strength and quality for the current wireless environment. Effectively enhancing the performance and coverage range of 802.11a/n 5GHz equipment, the ANT-FP15AD is quite suitable for outdoor WLAN application wireless application such as point to point connection between the warehouses.

The ANT-FP15AD Dual Polarity Directional Antenna can operate in vertical as well as horizontal polarization. Dual polarity antennas are suitable for 802.11n devices to enable multi-thread communications. This enables the device to transmit data on one polarization and receive data on the other simultaneously. The advantage of this is that multi-thread communications can be achieved with the use of one antenna instead of using two independent (and opposite polarity) antennas for the same result. Obviously all the networking equipment in the wireless network must be multi-thread compliant for this to work.

Applications

Featuring extended wireless signal coverage, and improved signal strength and quality for the existing wireless environment, PLANET ANT-FP15AD 5GHz 15dBi Dual Polarity Flat Panel Directional Antenna is quite suitable for outdoor WLAN application.



* For extension, you can add WL-N-10 N-Male (male pin) to N-Female (female pin) between RF Cable and Antenna.

- For 802.11a/n device at frequency for 5.150 ~ 5.875 GHz
- Integrated with two polarities in one antenna, saving cost of deployment
- 15dBi High Gain Antenna
- IP55 Case Protection
- Compact-sized housing, lightning design
- Built-in two N-type female connectors
- Easily extended point to point wireless coverage

Specifications

Model	ANT-FP15AD
Hardware Specifications	
Frequency Range	5.150 ~ 5.875GHz
Max. Gain	15 ~ 16dBi
Antenna Type	Uni-directional, Flat Panel
V.S.W.R.	2.0:1 (max.)
Polarization	Linear, ±90°
HPBW / Horizontal	15° ~ 19°
HPBW / Vertical	17° ~ 21°
Front to Back Ratio	-20dB (max.)
Isolation	25dB
Input Impedance	50Ω
Cable	RG223, 150mm
Connector	N-Type (Female) x2
Power Handling	6W (cw)
Lightning Protection	DC ground
Environment & Mechanical Characteristics	
Survival Wind Speed	216Km/hr
Temperature	-40 ~ 80 degrees C
Humidity	95% @ 55 degrees C
Radome Color	Gray-white
Radome Material	ABS, UV resistant
Dimensions (L x W x H)	210 x 210 x 73mm
Weight	800g
Weatherproof	IP55
Mount Type	Pole Mount or Wall Mount

Ordering Information

ANT-FP15AD	5GHz 15dBi Dual Polarity Flat Panel Directional Antenna
------------	---