

2.4GHz 14dBi Flat Panel Dual Polarization Directional Antenna



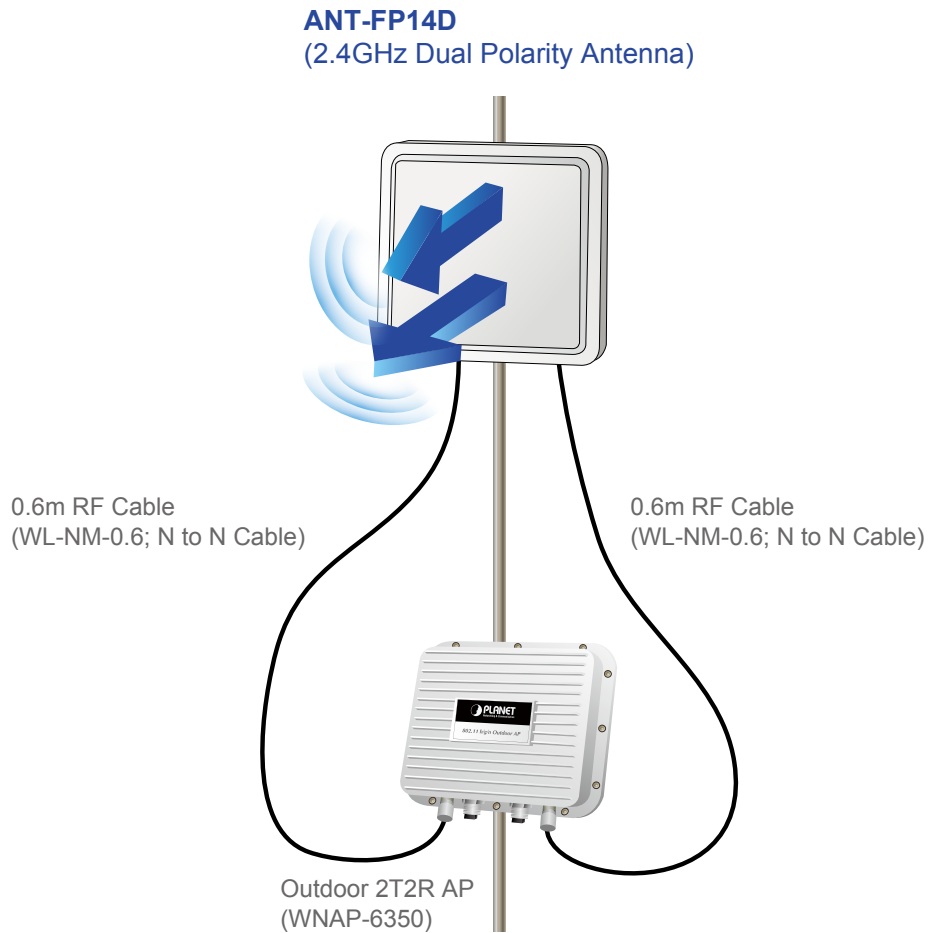
PLANET ANT-FP14D is a 2.4GHz 14dBi Flat Panel Dual Polarization Directional Antenna equipped with two N-Type Female connectors. The ANT-FP14D can increase wireless signal coverage and improve signal strength and quality for the current wireless environment. As the ANT-FP14D can effectively enhance the performance and coverage of the 802.11b/g/n 2.4GHz facilities, it is quite suitable for outdoor wireless LAN applications such as point-to-point connection between the warehouses.

The ANT-FP14D Dual Polarization Directional Antenna can operate in both vertical and horizontal polarization. The dual-polarized antennas are perfectly helpful for 802.11n devices in multithreaded communications. This enables the wireless device to transmit data on one polarization and receive data on the other polarization simultaneously. Obviously, all the networking equipment in the wireless network must be multithreading complaint. It thus brings users the advantage that multithreaded communications can be achieved with use of only one antenna instead of two independent (and opposite polarized) antennas.

- Designed to extend wireless coverage of 802.11b/g/n devices at frequency of 2.4GHz
- Integrating two polarities into one antenna helps to reduce cost of deployment
- 14dBi high-gain antenna
- IP55-rated case
- Compact-sized housing and lightning protection system design
- Built-in two N-Type female connectors
- Easily-extended, point-to-point wireless coverage

Applications

PLANET ANT-FP14D 2.4GHz 14dBi Flat Panel Dual Polarization Directional Antenna, with its compact housing and lightning protection system design, can be flexibly installed in any outdoor wireless environment to meet today's wireless LAN requirements, such as wide wireless signal coverage and improved signal strength and quality.



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

Specifications

Product	ANT-FP14D 2.4GHz 14dBi Flat Panel Dual Polarization Directional Antenna
Electrical Specifications	
Frequency Range	2.4 ~ 2.5GHz
Max. Gain	14dBi
Antenna Type	Uni-directional, flat panel
V.S.W.R.	<1.5
Polarization	Horizontal and vertical (dual polarization)
HPBW/Horizontal	30 degrees
HPBW/Vertical	30 degrees
Input Impedance	50Ω
Connector	N-Type (female) x 2
Environmental & Mechanical Characteristics	
Survival Wind Speed	Greater than 150mph
Temperature	-40 ~ 70 degrees C
Humidity	95% @ 55 degrees C
Radome Color	Grayish-white
Radome Material	ABS, UV-resistant
Dimensions (W x D x H)	228 x 15 x 228 mm (connector excluded)
Weight	562g
Waterproof Rating	IP55
Mount Type	Pole Mount

Ordering Information

ANT-FP14D	2.4GHz 14dBi Flat Panel Dual Polarization Directional Antenna
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Related Products

WNAP-6350	2.4GHz 300Mbps 802.11n Outdoor Wireless Access Point (2 x N-type Connector)
WNAP-6335	2.4GHz 300Mbps 802.11n Outdoor Wireless AP/Router (2 x RP-SMA Connector)