

2x2 MIMO 2.4/5GHz 17dBi Sector Antenna



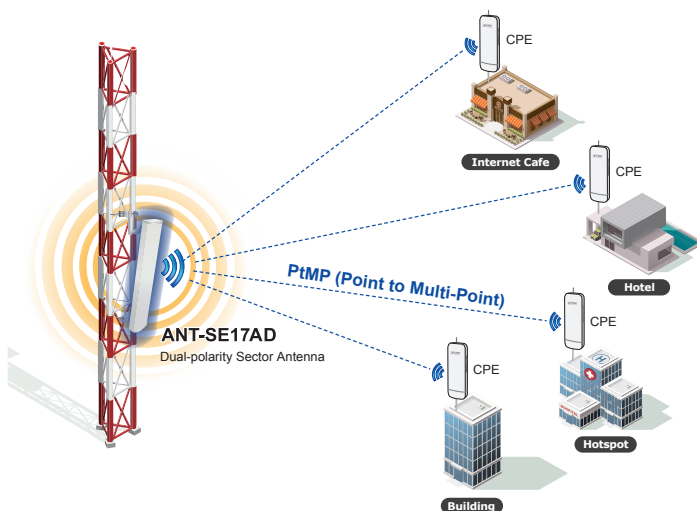
- 2x2 MIMO dual-polarity sector antenna
- Powerful gain of 17dBi and frequency of 2400~2500MHz / 5150~5850MHz
- Half-power beamwidth (H: 90 degrees, V: 7 degrees)
- Transmittance distance of up to 8km/5km
- IP67 rating
- 2 N-type female connectors

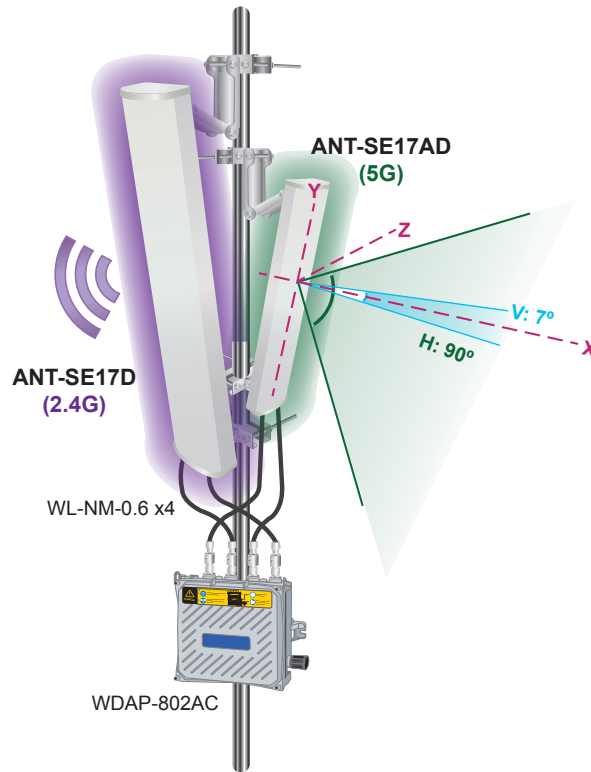
Boost Long-range Wireless Coverage in Point-to-Multipoint Networks

PLANET brand-new Dual-polarity Sector Antennas feature **2x2 MIMO technology** with 17dBi high-gain signal sensitivity and 90-degree sectorial coverage, and are equipped with two N-type female connectors. They are perfectly helpful for 802.11n and 802.11ac outdoor wireless access points in multithreaded communications as they offer a maximum throughput of 300Mbps or 866Mbps for long-distance **Point-to-Multipoint coverage** and wireless applications.



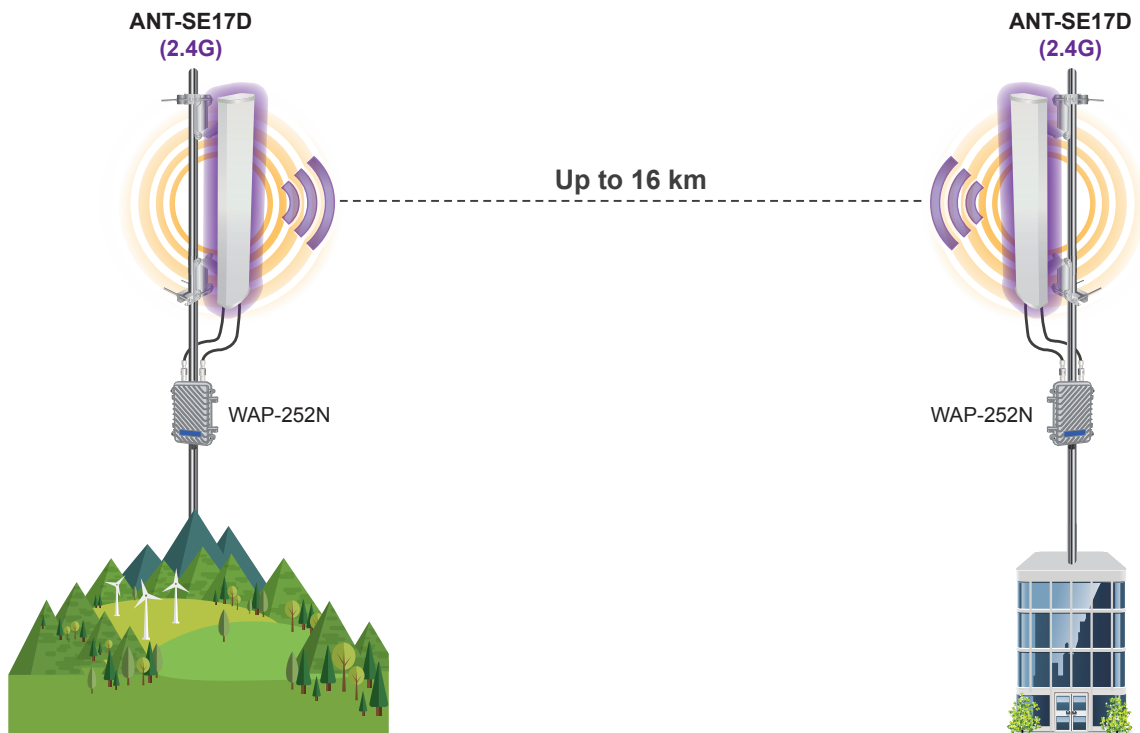
Point-to-Multipoint Coverage





As the ANT-SE17D/ANT-SE17AD can effectively enhance the performance and coverage of the 802.11ac 2.4/5GHz environment, it is also quite suitable for outdoor wireless LAN applications, such as point-to-point connection between the warehouses.

Wireless Distribution System (WDS)



Fast and Space-saving 2x2 MIMO Antenna

The MIMO sector antenna enables the wireless device to transmit data on one polarization and receive data on the other polarization simultaneously. It thus brings users the advantage of having multithreaded communications with use of only one antenna instead of two independent antennas.

**ANT-SE17D
(2.4G)**



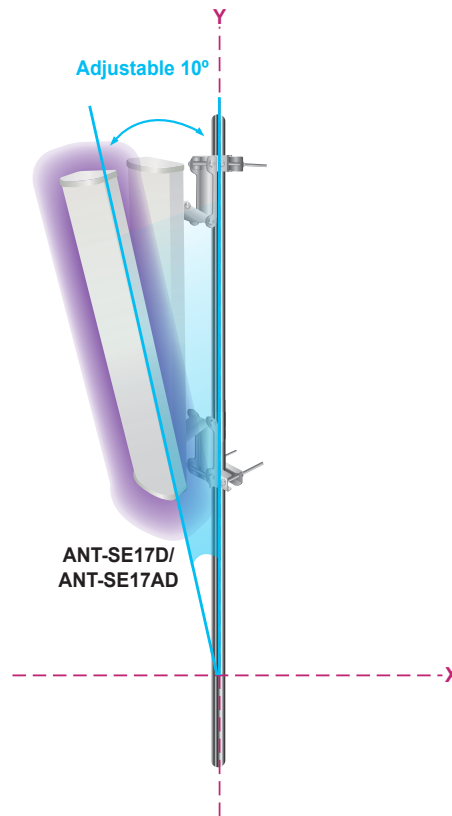
**ANT-SE17AD
(5G)**



Tough Outdoor Installation

The new MIMO Sector Antenna is housed inside a rugged and weatherproof IP67-rated radome UPVC enclosure, and thus can withstand any harsh weather conditions. They come with adjustable angle brackets for adjusting the coverage angle from 0 to 10 degrees.

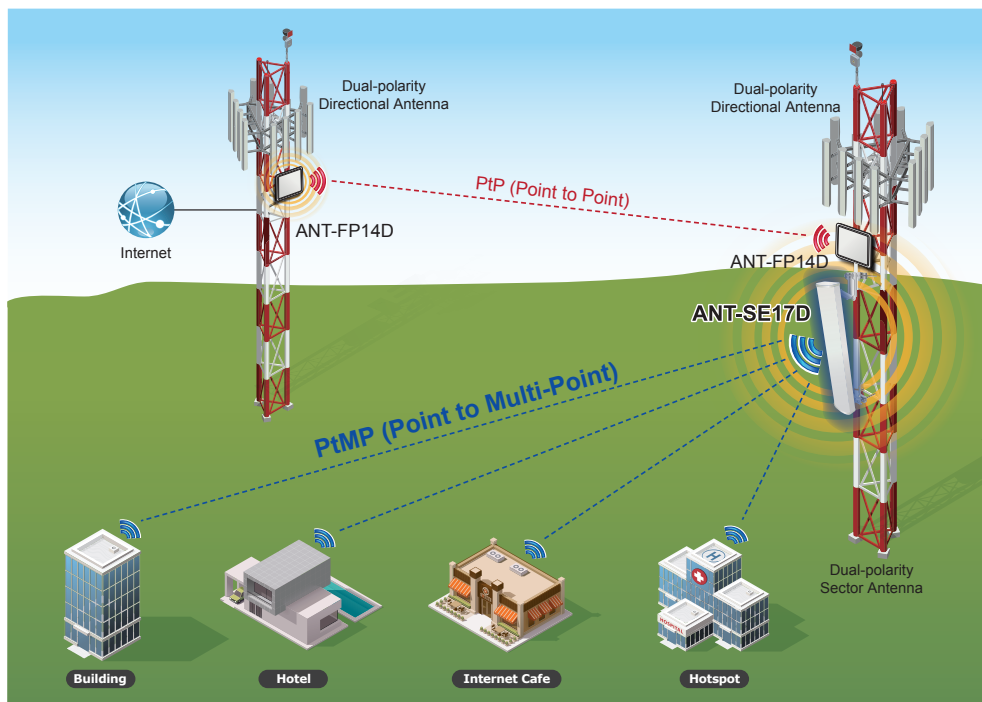




Applications

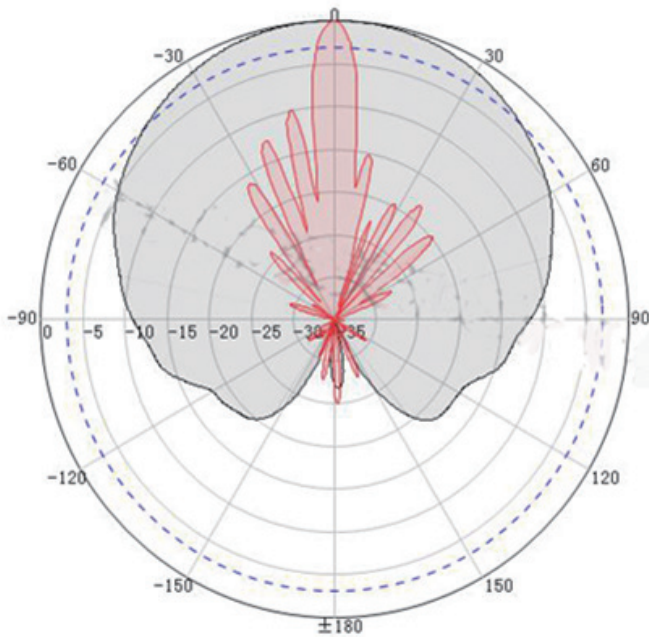
PLANET ANT-SE17D/ANT-SE17AD Outdoor 2.4/5GHz 17dBi Dual-Polarity Sector Antenna, with its optimized dimension design, can be flexibly installed in any outdoor wireless environment to meet today's wireless LAN requirements for full-day operation, such as wide wireless signal coverage, and improved signal strength and quality. The ANT-SE17D/ANT-SE17AD Dual-Polarity Directional Antenna is perfectly helpful for 802.11ac devices in multithreaded communications. This enables the wireless device to transmit data on one polarization and receive data on the other polarization simultaneously for PtMP function. Obviously, all the networking equipment in the wireless network must be multithreading complaint.

PtP & PtMP System

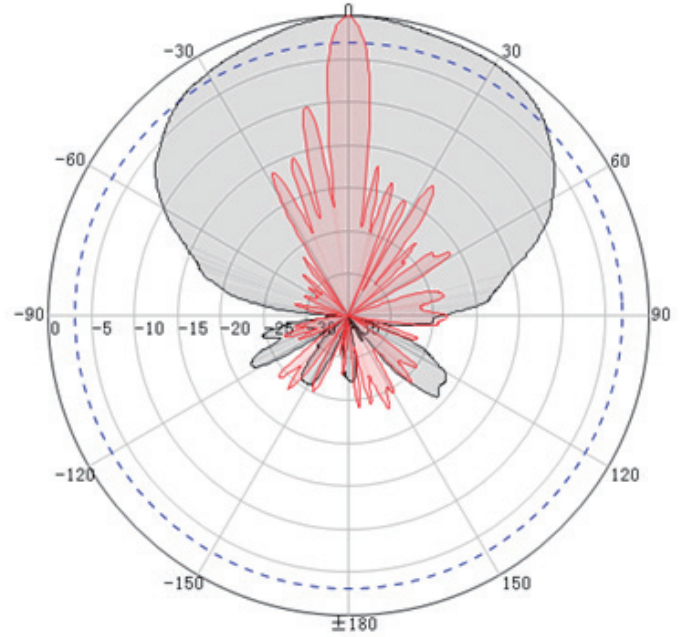


To commit itself to the wireless long-distance connectivity, PLANET Wire-Free system provides a variety of antennas, cables and other accessories for 2.4GHz and 5GHz ISM band applications where more RF gain power is required to increase the convergence of the installations in the wireless state.

Standing wave patterns



ANT-SE17D



ANT-SE17AD

Specifications

Product	ANT-SE17D	ANT-SE17AD
Frequency	2400-2500MHz	5150-5850MHz
Antenna type	Dual-polarity Sector Antenna	
Gain (dBi)	2 x 16.5	2 x 17
Front-to-back ratio(dB)	≥23	
Input impedance(Ω)	50	
Isolation between ports	≥28dB	
Cross-polar ratio	≥15dB@0 degrees ≥10dB@+/-60 degrees	
Sidelobe suppression for first sidelobe above horizon	15 dB	
VSWR	≤1.5	≤2
Beamwidth angle	Horizontal 90 degrees Vertical 7 degrees	
Maximum input power(W)	200	
Lightning protection	DC grounding	
Input connector type	2 N-type female	
Dimensions (H x W x D)	1000 x 114 x 54 mm	580 x 114 x 54 mm
Antenna weight (kg)	6	3
Mechanical tilt angle	0~10 degrees	
Mounting hardware (mm)	φ35~φ75	φ35~φ90
Rated wind velocity (m/s)	60	
Operating temperature	-40~60 degrees C	

Ordering Information

ANT-SE17D	2.4GHz 17dBi Dual-Polarity Sector Antenna
ANT-SE17AD	5GHz 17dBi Dual-Polarity Sector Antenna

PLANET Technology Corporation

11F., No.96, Minquan Rd., Xindian Dist., New Taipei City
231, Taiwan (R.O.C.)
Tel: 886-2-2219-9518 Fax: 886-2-2219-9528
Email: sales@planet.com.tw www.planet.com.tw



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ANT-SE17D & ANT-SE17AD