Wireless Antennas, Cables and Accessories



To commit the wireless long distance connectivity, PLANET WireFree provides variety of Antennas, Cables and other Accessories for 2.4GHz and 5GHz band applications where more RF gain power is required to increase converge of the installations in Wireless.

Ordering Information

WLAN 5GHz Antennas

- ANT-OM10A 5GHz 10dBi Omni-directional Antenna
- ANT-SE17A 5GHz 16.5dBi Sector Antenna
- ANT-FP18A 5GHz 18dBi Flat Panel Antenna

WLAN 2.4GHz Antennas

- ANT-OM5 5dBi Desktop Omni-directional Antenna
- ANT-OM8 8dBi Omni-directional Antenna
- ANT-OM15 15dBi Omni-directional Antenna
- ANT-FP18 18dBi Flat-Panel directional Antenna
- ANT-SE18 12-18dBi Adjustable Sector Antenna
- ANT-YG13 13dBi Yagi directional Antenna
- ANT-YG20 20dBi Yagi directional Antenna
- ANT-GR21 21dBi Grid Directional Antenna

Wireless LAN Cables

- WL-SMA-0.6 0.6 meters reverse SMA (female) - N-type (male)
- WL-SMA-6 6 meters reverse SMA (female) - N-type (male)
- WL-N-10 10 meters N-type cable (female - male)
- WL-NM-0.6 0.6 meters N-type cable (male - male)
- WL-MMC 0.3 meters MMCX to SMA cable

Lightning Arrester

- WL-LTN Lightning Arrester (N male to N female)

Antennas

The Antennas include directional antenna and omni-directional antenna to meet the need of different environments. The Omni-directional antenna is ideal to install in a central base-station in a Point to Multi-point Wireless application. And Directional antennas are designed for long-distance.

5GHz Antennas

Model		ANT-FP18A	ANT-SE17A	ANT-OM10A
Frequency		4900-5875MHz	5150-5875MHz	5500-5825MHz
Antenna Type		Uni-directional, Flat panel	Uni-directional, Sector	Omni-directional
Gain (dBi)		18	16.5	10
SWR		<=2.0	<=2.0	<=2.0
Beamwidth Degree	Horz.	10	120	360
	Vert.	10	10	6
Mounting Type		Pole or wall Mount	Pole or wall Mount	Pole or wall Mount
Operating Temperature		-40 ~ 70 Degree C	-40 ~ 70 Degree C	-40 ~ 70 Degree C

2.4GHz Antennas

Model		ANT-GR21	ANT-FP18	ANT-YG20	ANT-YG13
Frequency		2400-2485MHz	2400-2485MHz	2400-2485MHz	2400-2485MHz
Antenna Type		Uni-directional, Grid	Uni-directional, Flat panel	Uni-directional, Yagi	Uni-directional, Yagi
Gain (dBi)		21	18	20	13
SWR		<=1.5	<=1.5	<=1.5	<=1.5
Beamwidth Degree	Horz.	8	30	20	25
	Vert.	5	20	15	15
Mounting Type		Mast Mount	Wall mount	Mast Mount	Mast Mount
Operating Temperature		-40 ~ 70 Degree C	-40 ~ 70 Degree C	-40 ~ 70 Degree C	-40 ~ 70 Degree C

Model		ANT-SE18	ANT-OM15	ANT-OM8	ANT-OM5
Frequency		2400-2485MHz	2400-2485MHz	2400-2485MHz	2400-2485MHz
Antenna Type		Uni-directional, Sector	Omni-directional, General purpose	Omni-directional, General purpose	Omni-directional, Desktop
Gain (dBi)		12-18	15	8	5
SWR		<=1.5	<=1.3	<=1.3	<=2.0
Beamwidth Degree	Horz.	60-120	360	360	360
	Vert.	10	10	10	N/A
Mounting Type		Mast or Wall Mount	Mast Mount	Mast Mount	Magnetic bottom
Operating Temperature		-40 ~ 70 Degree C	-40 ~ 70 Degree C	-40 ~ 70 Degree C	-40 ~ 70 Degree C

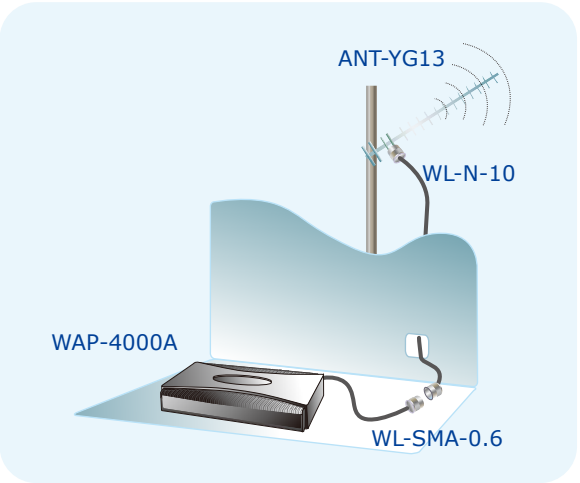
Lightning Arrester

To keep the Wireless device free from lightning induced surges that travel on the coaxial transmission lines, PLANET also includes the arrestor guarding the wireless equipments from damage that could cause your previous network resources break down.

Type	Gas Discharged
Frequency	0~3GHz
Gain Loss	Less than 0.25dB on 2.4GHz
Maximum Withstand Current	10KA
Connector	Type N male to N female

Cables

To commit the flexibility, the series of Wireless Accessories cables make the connection varies for the needs. With low loss, weatherproof and phase-stability coaxial cables, the cable's distance can be found is from 0.6 meters up to 10 meters (0.6m+ 10m). Those cables feature 50ohm impedance for connecting between Access Point like WAP-1963, WAP-4000 and antenna like ANT-OM8.



Cables

Model	WL-MMC	WL-SMA-0.6	WL-SMA-6
Side A	Reverse MMCX (female)	Reverse SMA (female)	Reverse SMA (female)
Side B	Reverse SMA (male)	N-type (male)	N-type (male)
Length	0.3m	0.6m	6m
dB loss @ 2.4GHz	0.7dB	0.5dB	3.5dB

Model	WL-N-10	WL-NM-0.6	WL-N-0.6
Side A	N-type (female)	N-type (male)	N-type (female)
Side B	N-type (male)	N-type (male)	N-type (male)
Length	10m	0.6m	0.6m
dB loss @ 2.4GHz	2.4dB	1.3dB	1.3dB

PLANET Technology Corporation
11F, No. 96, Min Chuan Road, Hsin Tien, Taipei, Tawian R.O.C.
Tel: 886-2-2219-9518 Fax: 886-2-2219-9528
Email: sales@planet.com.tw www.planet.com.tw
VoIP Gateway: vip.planet.com.tw

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