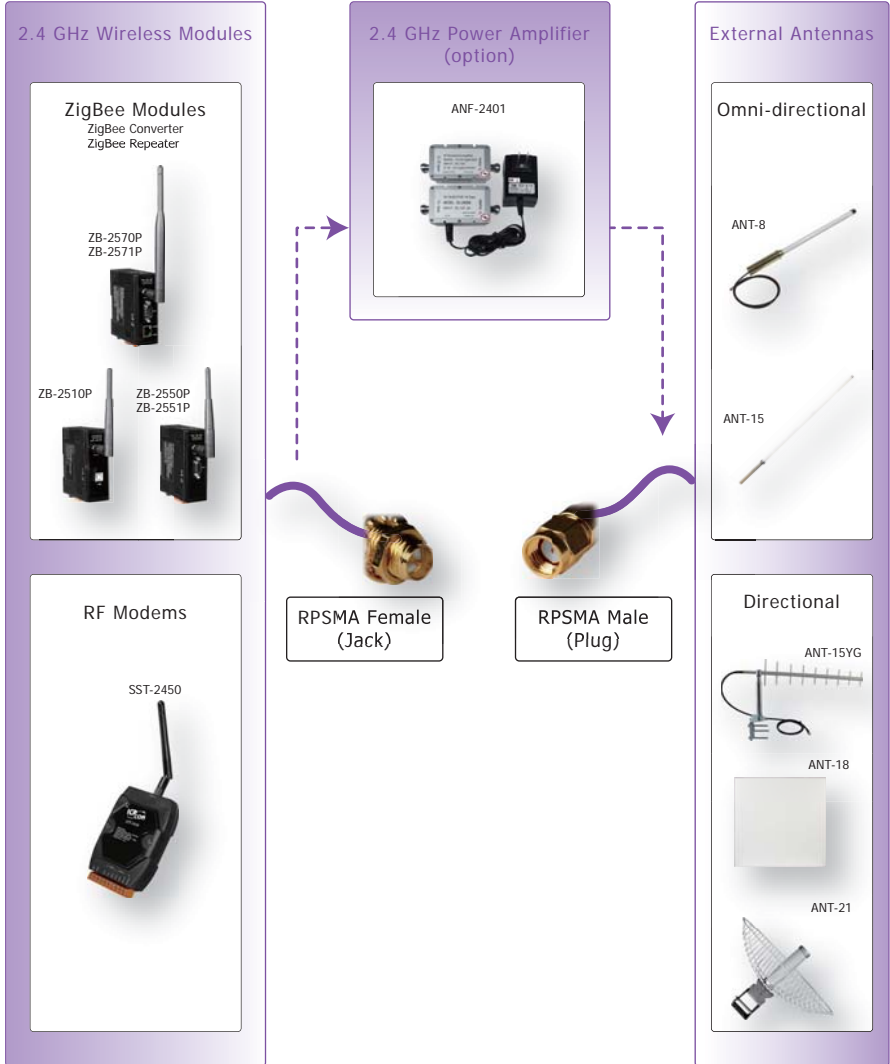


### 4. Connector Type for 2.4 GHz Antenna



### 2.4 GHz Omni-directional Antennas

Model Name	Ordering Information	Connector	Radiation	Band	Gain (dBi)	Note	Page
ANT-8	1 km, 2.4 GHz External Antenna	RP SMA Male (Plug)	Omni-Directional	2.4 ~ 2.5 GHz	8	Dipole	5-4-4
ANT-15	5 km, 2.4 GHz External Antenna	RP SMA Male (Plug)	Omni-Directional	2.4 ~ 2.5 GHz	15	Dipole	5-4-4



## ANT-8



### Specifications

Antenna Type	
Operating Environment	Indoor or Outdoor
Radiation	Directional Sector
Electrical Specifications	
Frequency Range	2400 ~ 2500 MHz
Gain	9 dBi
VSWR	1.3:1 (max.)
Polarization	Linear
HPBW/Horizontal	360°
HPBW/Vertical	10°
Power Handling	15 W (max.)
Impedance	50 Ω +/-5 Ω
Cable	-
Connector	N Type Female
Environmental and Mechanical Characteristics	
Operating Temperature	-20 °C ~ +60 °C
Radome Material	Glass fiber
Weight	430 g
Dimensions (L x W)	420 mm x φ35 mm

### Ordering Information

ANT-8	1 km, 2.4 GHz External Antenna (Omnidirectional) Gain: 8 dBi
Includes	3S004 x 1 HDF 200 Cable, 1 m N Type Male to SMA Male

Important Note: Distance data is for reference only. Actual results may be different depending on the environment.



## ANT-15



### Specifications

Antenna Type	
Operating Environment	Outdoor
Radiation	Directional Sector
Electrical Specifications	
Frequency Range	2400 ~ 2500 MHz
Gain	15 dBi
VSWR	1.3:1 (max.)
Polarization	Linear
HPBW/Horizontal	360°
HPBW/Vertical	10°
Power Handling	20 W (max.)
Impedance	50 Ω +/-5 Ω
Cable	RG-58, 100 cm
Connector	N Type Female
Environmental and Mechanical Characteristics	
Operating Temperature	-20 °C ~ +60 °C
Radome Material	Glass fiber
Weight	1050 g
Dimensions (L x W)	1600 mm x 35 mm

### Ordering Information

ANT-15	5 km, 2.4 GHz External Antenna (Omnidirectional) Gain: 15 dBi
Includes	3S004 x 1 HDF 200 Cable, 1 m N Type Male to SMA Male

Important Note: Distance data is for reference only. Actual results may be different depending on the environment.

## 2.4 GHz Directional Antennas

Model Name	Ordering Information	Connector	Radiation	Band	Gain (dBi)	Note	Page
ANT-15YG	5 km, 2.4 GHz External Antenna	RP SMA Male (Plug)	Directional	2.4 ~ 2.5 GHz	15	Yagi	5-4-5
ANT-18	9 km, 2.4 GHz External Antenna	RP SMA Male (Plug)	Directional	2.4 ~ 2.5 GHz	18	Panel	5-4-6
ANT-21	15 km, 2.4 GHz External Antenna	RP SMA Male (Plug)	Directional	2.4 ~ 2.5 GHz	21	Grid	5-4-6



## Specifications

<b>Antenna Type</b>	
Operating Environment	Outdoor
Radiation	Directional Sector
<b>Electrical Specifications</b>	
Frequency Range	2400 ~ 2500 MHz
Gain	15 dBi
VSWR	2:1 (max.)
Polarization	Linear
HPBW/Horizontal	25°
HPBW/Vertical	18°
Power Handling	10 W (max.)
Impedance	50 Ω
Cable	RG-58, 100 cm
Connector	N Type Female
<b>Environmental and Mechanical Characteristics</b>	
Operating Temperature	-40 °C ~ +85 °C
Radome Material	Aluminum
Weight	425 g
Dimensions (L x W x H)	325 mm x 70 mm x 15 mm

## Ordering Information

ANT-15YG	5 km, 2.4 GHz External Antenna (Directional) Gain: 15 dBi
----------	--

Important Note: Distance data is for reference only. Actual results may be different depending on the environment.



## ANT-18



### Specifications

<b>Antenna Type</b>	
Operating Environment	Outdoor
Radiation	Directional Patch
<b>Electrical Specifications</b>	
Frequency Range	2400 ~ 2500 MHz
Gain	18 dBi
VSWR	1.5:1 (max.)
Polarization	Vertical, vertical
HPBW/Horizontal	15°
HPBW/Vertical	15°
Power Handling	50 W (cw)
Impedance	50 Ω
Cable	RG-58, 100 cm
Connector	N Type Female
<b>Environmental and Mechanical Characteristics</b>	
Operating Temperature	-40 °C ~ +80 °C
Radome Material	ABS
Weight	1600 g
Dimensions (L x W x H)	360 mm x 360 mm x 16 mm

### Ordering Information

ANT-18	9 km, 2.4 GHz External Antenna (Directional) Gain: 18 dBi
Includes	3S004 x 1 HDF 200 Cable, 1 m N Type Male to SMA Male

Important Note: Distance data is for reference only. Actual results may be different depending on the environment.



## ANT-21



### Specifications

<b>Antenna Type</b>	
Operating Environment	Outdoor
Radiation	Directional Sector
<b>Electrical Specifications</b>	
Frequency Range	2400 ~ 2500 MHz
Gain	21 dBi
VSWR	1.5:1 (max.)
Polarization	Linear
HPBW/Horizontal	8°
HPBW/Vertical	5°
Power Handling	20 W (max.)
Impedance	50 Ω +/- 5 Ω
Cable	RG-58, 100 cm
Connector	N Type Female (Jack)
<b>Environmental and Mechanical Characteristics</b>	
Operating Temperature	-20 °C ~ +60 °C
Radome Material	ABS
Weight	2770 g
Dimensions (L x W)	610 mm x 248 mm

### Ordering Information

ANT-21	15 km, 2.4 GHz External Antenna (Directional) Gain: 21 dBi
--------	---

Important Note: Distance data is for reference only. Actual results may be different depending on the environment.