

Off-the-shelf 2.4, 5 GHz Wi-Fi/Bluetooth External Antennas, available in various configurations, offer high RF performance and reliability for wireless and networking applications

Features and Advantages



(Single Input Single Output), offering improved coverage

· Delivers higher data rates

molex

Features and Advantages





Markets and Applications

Connected Home

Security and surveillance

Home automation

Home streaming

Entertainment

Smart appliances

Energy and utilities

loT

Wireless solutions

Smart factory/industry/city

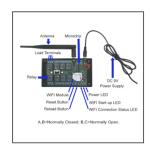
IoT and IT infrastructure

Telecommunications/Networking

Infrastructure/Networking

Commercial Vehicles

Networking



Smart transportation



Networking



Security and Surveillance

Specifications

	215872 (Tri-band)	215868 (On-metal)	214415	212860	214428	214386	214394 (MIMO)	214389 (High-Gain)	
REFERENCE INFORMATION									
Packaging	Tray	Tray	PET bag Ca			Carton	Tray		
Mates With	SMA socket	SMA/U.FL/others	SMA jack receptacle; U.FL MHF I receptacle SMA plugs (male) N type-J						
Designed In	Millimeters								
RoHS	Yes								
	ELECTRICAL								
Frequency (GHz)	2.4 / 5.0 / 6.0	2.4 / 5.8	2.4	2.4 / 5.0	2.4	2.4 / 5.0	2.4 / 5.0	2.4 / 5.0	
RF Power (Watt)	2.0								
Return Loss (dB)	<-10 / <-5 / <-3	<-6	<-10	<-10	<-8	<-10	<-10	<-10	
Average Total Radiation Efficiency	>60% / >60% / >45%	>50% / >45%	>80%	>80% / >75%	>75%	>80% / >65%	>65% / >47.5%	>85% / >80%	
Peak Gain (dBi)	3.4 / 6.0 / 4.5	2.0 / 5.5	5.3	5.3 / 4.5	3.1	5.2 / 3.3	Port 1: 2.5 /2.6 Port 2: 3.1 / 3.4	5.0 / 6.0	
Impedance (Ohms)	50								
			ME	CHANICAL					
	Refer to product specifications								
			P	HYSICAL					
Size (mm)	30.00 by 8.00 / 35.00 by 8.00	44.00 by 37.00 by 8.50	108.	08.40 by 9.35 104.00 by 9.40		77.00 by 15.00	275.00 by 23.00		
Material	Refer to sales drawings								
Operating Temperature	-40 to +85°C								



Ordering Information

Series No.	Description	Туре		
215868	Wi-Fi/Bluetooth Antenna, Dual Band	On-metal		
215872	Wi-Fi/Bluetooth Antenna, Tri Band	Mini-Link		
214415	Wi-Fi/Bluetooth Antenna, Single Band	I Parad		
212860	Wi-Fi/Bluetooth Antenna, Dual Band	Hinged		
214428	Wi-Fi/Bluetooth Antenna, Single Band	I-PEX		
214386	Wi-Fi/Bluetooth Antenna, Dual Band			
214394	Wi-Fi/Bluetooth Antenna, Dual Band	MIMO		
214389	Wi-Fi/Bluetooth Antenna, Dual Band	High-Gain		