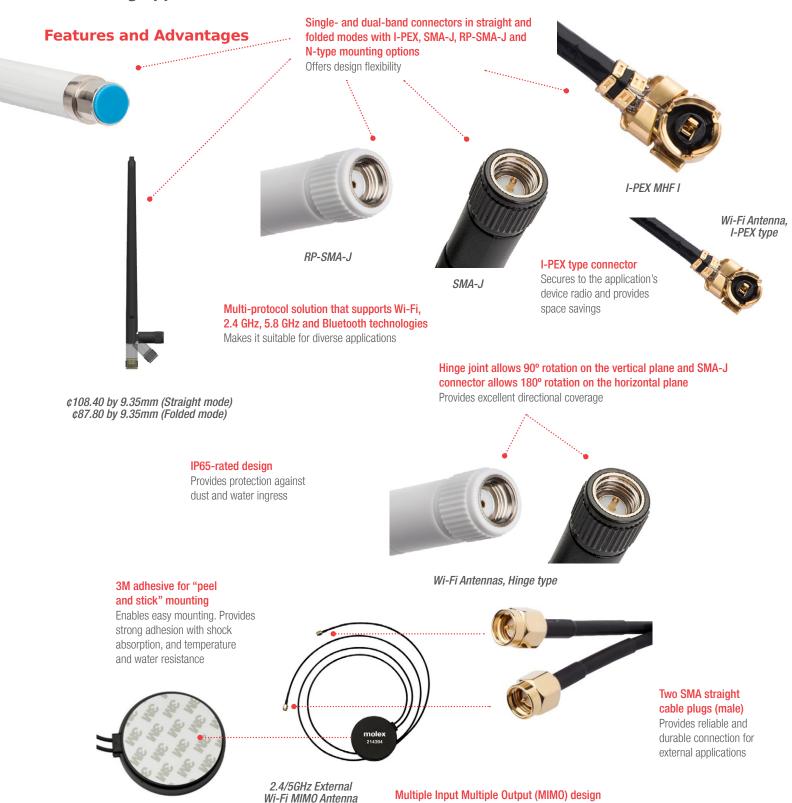
2.4, 5 GHz Wi-Fi/Bluetooth External Antennas



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



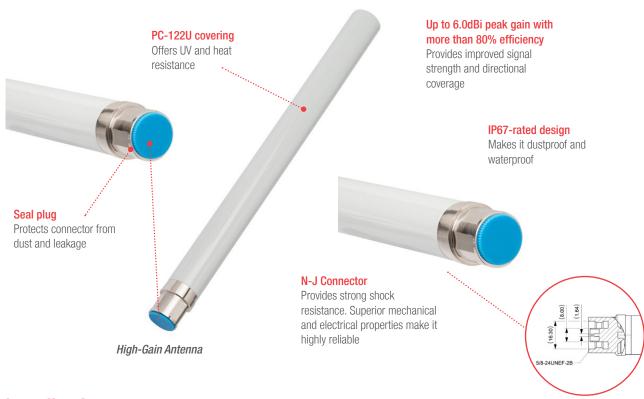
 Achieves superior bit error rate compared with SISO (Single Input Single Output), offering improved coverage

· Delivers higher data rates

2.4, 5 GHz Wi-Fi/Bluetooth External Antennas

molex

Features and Advantages (High-Gain Antenna)



Markets and Applications

Connected Home

Security and surveillance

Home automation

Home streaming

Entertainment

Smart appliances

Energy and utilities

IoT

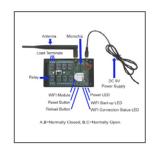
Wireless solutions

Telecommunications/Networking

Infrastructure/Networking

Commercial Vehicles

Networking



Smart transportation



Networking



Security and Surveillance

2.4, 5 GHz Wi-Fi/Bluetooth External Antennas



Specifications

	214415	212860	214428	214386	214394 (MIMO)	214389 (High-Gain)		
		REFERENCE INFORMATION						
Packaging		PET bag			Carton	Tray		
Mates With		SMA jack receptacle; I-PEX MHF I receptacle SMA plugs (male) N type-			N type-J			
Designed In		Millimeters						
RoHS	Yes							
		ELECTRICAL						
Frequency (GHz)	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	<-10	<-8	<-10	<-10	<-10		
Average Total Radiation Efficiency	>80%	>80% / >75%	>75%	>80% / >65%	>65% / >47.5%	>85% / >80%		
Peak Gain (dBi)	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						
	MECHANICAL							
	Refer to product specifications							
	PHYSICAL							
Size (mm)	108.4	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		
<u>214415</u>	Wi-Fi/Bluetooth Antenna, Single Band			
<u>212860</u>	Wi-Fi/Bluetooth Antenna, Dual Band	Hinged		
214428	Wi-Fi/Bluetooth Antenna, Single Band			
214386	Wi-Fi/Bluetooth Antenna, Dual Band	I-PEX		
214394	Wi-Fi/Bluetooth Antenna, Dual Band	MIMO		
<u>214389</u>	Wi-Fi/Bluetooth Antenna, Dual Band	High-Gain		