# **Combo Antennas**



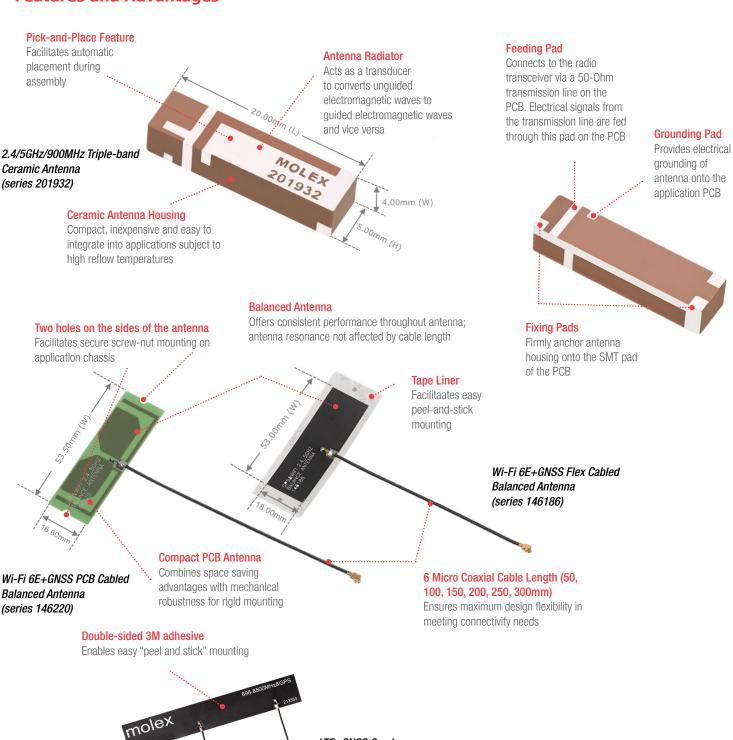
Combo antennas offer a combination of long-range connectivity, high power efficiency and easy integration advantages for IoT, GPS and M2M applications

## **Features and Advantages**

698 to 8500MHz frequency range in 3 micro coaxial cable lengths with custom

Provides design flexibility

options



LTE+GNSS Combo FPC Cabled Antenna (series 213353)

**UFL-type Connector** 

device radio

Secures to the application's

# **Combo Antennas**



## **Applications**

Consumer

**Smart Homes** 

loT

Automotive

Connected Vehicle

Industrial

**Smart Cities** 







Internet of Things (IoT)

## **Specifications**

### REFERENCE INFORMATION

Packaging: PET film (146186, 146220) Tape and Reel (201932, 213353) Use with: Combo Wireless devices Designed In: Millimeters

RoHS: Yes Halogen Free: Yes Glow Wire Compliant: No

### **ELECTRICAL**

Frequency Range: Refer to Product Specifications Return Loss: Refer to Product Specifications Average Total Radiation Efficiency(%): Refer to

**Product Specifications** 

Peak Gain (dBi): Refer to Product Specifications

Polarization: Linear

Input Impedance (ohms): 50

#### **MECHANICAL**

Refer to Product Specifications for relevant antennas

#### **PHYSICAL**

Material: Ceramic (201932)

PCB (146220)

Flexible Material (146186, 213353)

Plating: Silver (Ag) 11±4microns (201932)

Operating Temperature:

-40 to 125°C (201932)

-30 to 85°C (146220, 146186)

-40 to 85°C (213353)

## **Ordering Information**

Series No.	Substrate	Mounting	Dimensions (mm)	Standard
201932	Ceramic	SMT	20.00(L) by 4.00(W) by 5.00(H)	Wi-Fi 4/5/6 + ISM900
<u>146220</u>	PCB	Screw Nut	53.50 by 16.60	Wi-Fi 4/5/6/6E + GNSS
<u>146186</u>	Flexible Material	Peel-and-Stick	53.00 by 18.00	Wi-Fi 4/5/6/6E + GNSS
<u>213353</u>	Flexible Material	Peel-and-Stick	120.00 by 20.00	LTE + GNSS