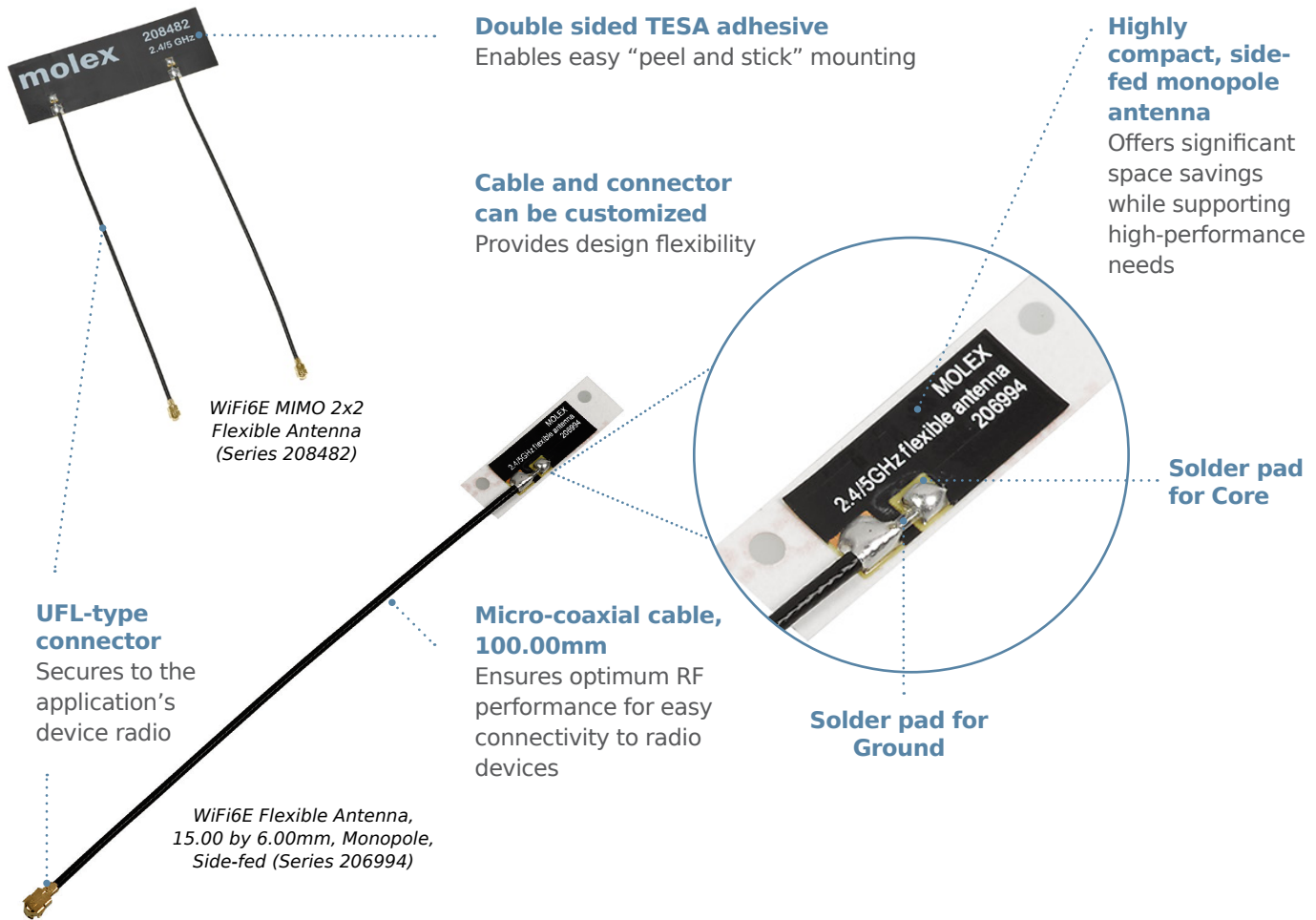


WiFi6E Flexible and PCB Antennas >

WiFi6E Flexible and PCB Antennas, with upgraded triple-band antenna support, are designed for quick and easy integration into wireless devices at minimal implementation cost and enable high-performance RF transmission for demanding Wi-Fi applications.

FEATURES AND ADVANTAGES



MARKETS AND APPLICATIONS

Consumer

Connected Home
Smart Home

Automotive

Connected Vehicle
Comfort and Infotainment

Industrial

Smart Cities



Connected Home



Smart Cities

WiFi6E Flexible and PCB Antennas >

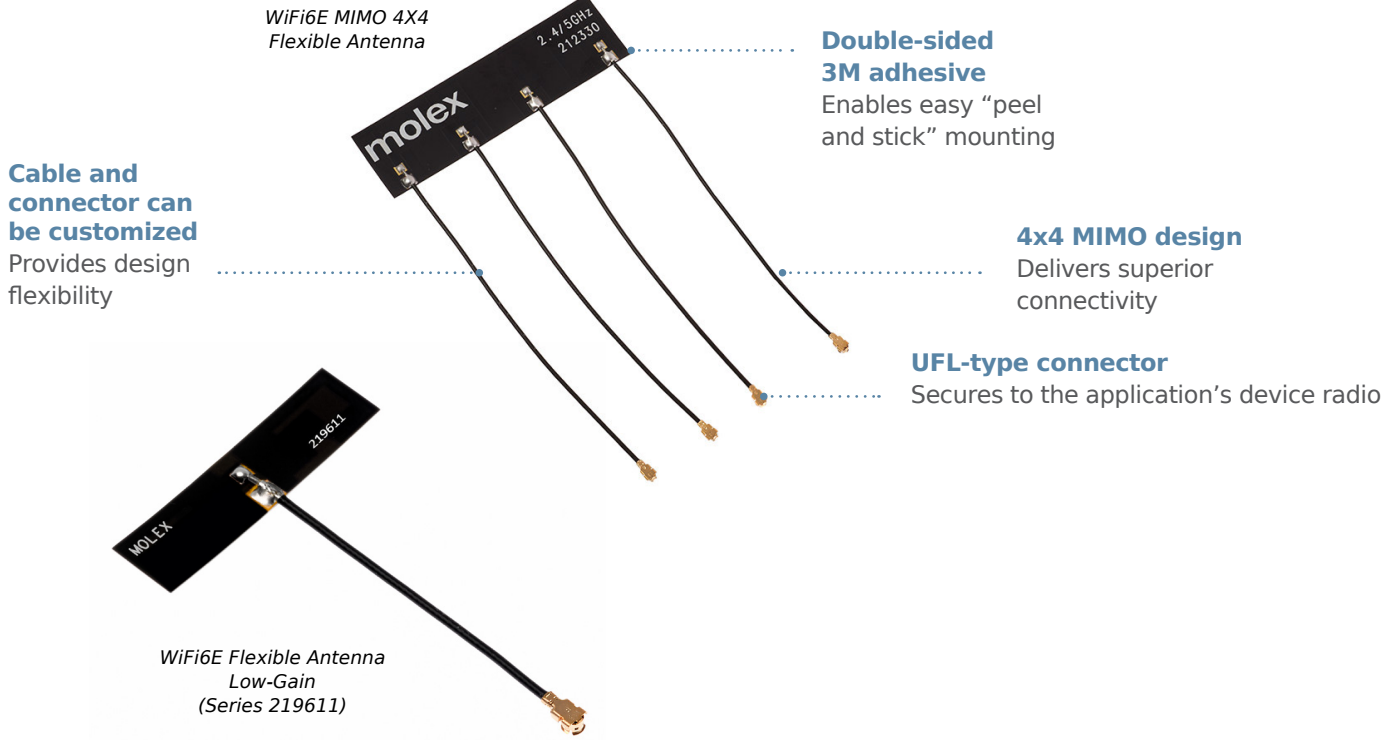
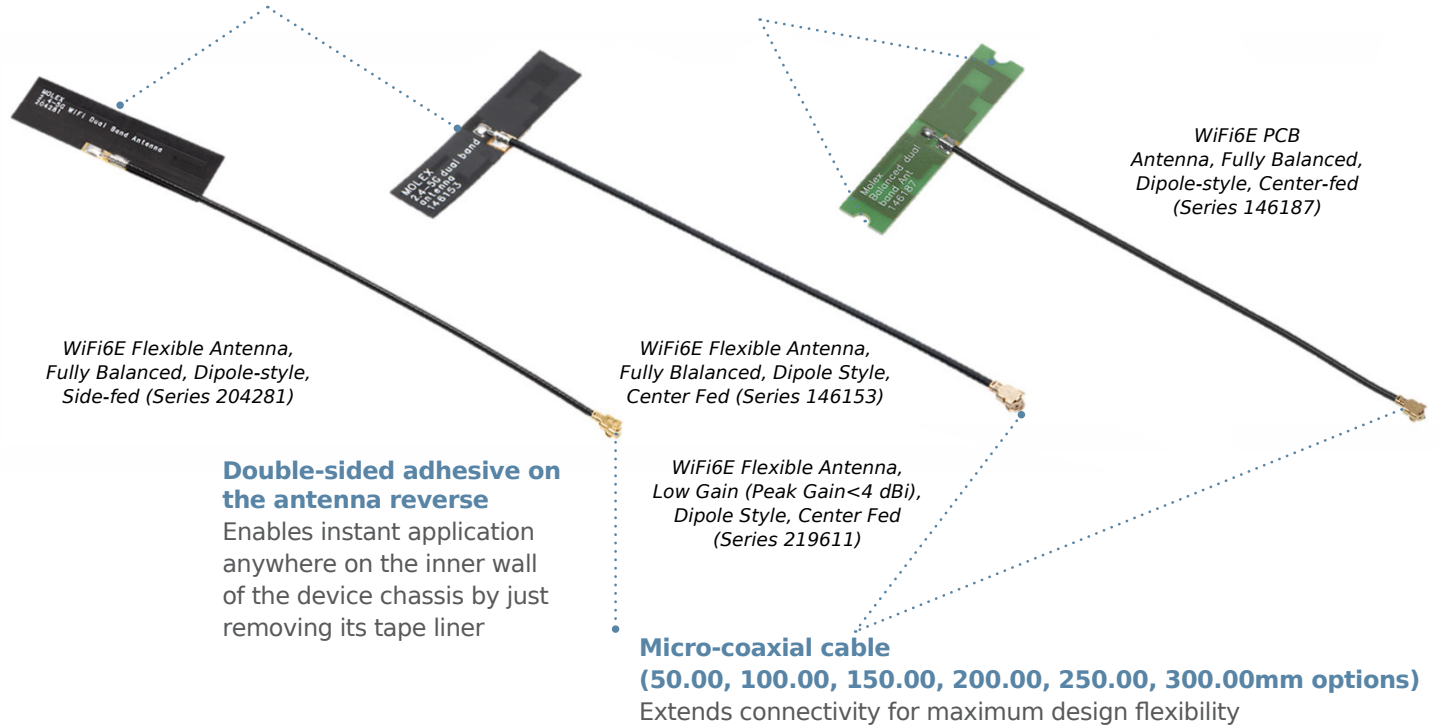
FEATURES AND ADVANTAGES

Topside of the poly-flexible antenna

Makes for easy peel-and-stick mounting anywhere within the device chassis

Rigid PCB antenna with two holes on both sides for screw-nut mounting

Offers more robust securing of antenna to device chassis in rugged applications



WiFi6E Flexible and PCB Antennas >

SPECIFICATIONS

REFERENCE INFORMATION

Reference Information
 Packaging: PET Film
 Mates with: Surface-mount, I
 -PEX MHF series receptacle
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Yes
 Glow Wire Capable: No

ELECTRICAL

RF Power (Watt): 2
 Return Loss: < -10 dB
 Refer to Product Specifications (212330)
 Average Total Radiation Efficiency (%):
 Refer to Product Specifications
 Peak Gain (dBi): Refer to Product Specifications
 Input Impedance (ohms): 50

PHYSICAL

Material: Flexi (146153, 204281, 208482,
 206994, 212330, 219611); PCB (146187)
 Plating:
 Refer to Sales Drawings
 Operating Temperature: -30 to +85°C
 -40 to +85°C (208482, 212330)

MECHANICAL

Refer to Product Specifications

ORDERING INFORMATION

Series No.	Substrate	Cable Feed	Dimensions (mm)	Cable Lengths (mm)
206994	Flexi material	Side	15.00 by 6.00	100.00
208482	Flexi material	Center	55.20 by 19.20 by 0.16	100.00, 150.00, 200.00
204281	Flexi material	Side	35.00 by 11.00 by 0.10	50.00
				100.00
				150.00
				200.00
				250.00
				300.00
146153	Flexi material	Center	34.90 by 9.00 by 0.10	50.00
				100.00
				150.00
				200.00
				250.00
				300.00
146187	PCB (FR4)	Center	40.95 by 9.00 by 0.70	50.00
				100.00
				150.00
				200.00
				250.00
				300.00
212330	Flexi material	Center	70.00 by 20.00	100.00, 150.00, 200.00
219611	Flexi material	Center	35.00 by 15.00 by 0.10	50.00, 100.00, 150.00, 200.00, 250.00, 300.00

www.molex.com/link/antenna_iot.html