

## COMING SOON: FLEXMIMO 6E ANTENNA SERIES ENABLING THE HIGHEST DATA-RATE WI-FI FOR MIMO APPLICATIONS



In 2020 the FCC announced the allocation of a new frequency spectrum for Wi-Fi, extending frequencies up to 7.125 GHz. Our FlexMIMO, the world's first Flexible PIFA MIMO antenna, is now available as the **FlexMIMO 6E**. It supports the full Wi-Fi spectrum of 2400-2500, 4900-5925, and 5925-7125 MHz frequency bands, an ideal solution for MIMO Wi-Fi applications with future-proofing for emerging 6E frequencies.

Designed for rapid integration of a 2 antenna MIMO system into space-constrained housings, the flexible, adhesive backed antennas are available with MHF1 or MHF4L connectors, providing multiple installation solutions for IoT manufacturers. FlexMIMO technology provides consistent performance across all three Wi-Fi bands for a solid and reliable connection at all times.

- **Full Coverage** – Operates over all three Wi-Fi bands.
- **Performance** – Two integrated elements delivering exceptional performance across all bands in MIMO applications.
- **Versatile** – Compact design using patented flexible PIFA antenna structure allows for use on flat and curved surfaces.
- **Future-Proofed** – Coverage for emerging Wi-Fi 6E applications.
- **Reliable** – PIFA technology is easy to integrate into IoT devices and less likely to detune in proximity of metal or a human body.
- **Quality** – Designed and built to exacting specifications.

### ELECTRICAL SPECIFICATIONS

Operating Frequency (MHz)	2400-2500	4900-6000	6000-7125
Peak Gain (dBi)	2.2	3.8	3.3
VSWR Port 1 (Max)	2.5:1	2.5:1	2.5:1
VSWR Port 2 (Max)	2.5:1	2.5:1	2.5:1
Nominal Impedance (Ohms)	50		
Polarization	Linear H/V for each radiator		
Antenna Type	Flexible Planar Inverted-F (PIFA) MIMO		
Radiation Pattern	Omnidirectional		
Typical Efficiency (%)	64.7%	62.3%	52.2%

### MECHANICAL SPECIFICATIONS

Dimensions, Max – mm (inches)	39.5 x 39.5 x 4.7 (1.56 x 1.56 x .19)
Connector Options	MHF1 (U.FL), MHF4L

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature – °C (°F)	-40 to +85°C (-40 to +185°F)
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## APPLICATION AREAS



**Smart Metering and Utilities**



**Industrial IoT**



**Agricultural and Rural (Farm Sense and Control)**



**Quick Service Restaurants**



**Smart Lockers**



**Medical Devices**

**Note:** This product is currently in development, and this product brief is preliminary. All data and specifications are subject to change.