

Wireless Antenna Solutions



**AMI/AMR
Antennas
& Isolation
Couplers**

High performance wrap-around antennas and isolation couplers for electric, gas and water meters. Available in different styles. WPI engineering team specializes in optimizing antenna integration to help achieve TRP/TIS and FCC requirements.



**Access Point
Infrastructure**

For Access Points and Repeater type applications requiring a True-Omnidirectional coverage pattern with ample Peak Gain and Radiation Efficiency. Available in different connector and mounting styles.



**MIMO
Antennas**

2X2 and 3X3 MIMO antennas with Pattern & Polarization Diversity for both terminal units and repeater systems. These are industrial grade and designed to withstand harsh environments.



**Wall and
Ceiling
Mount**

Broadband wall and ceiling mount antennas that are surface independent. These can be mounted to metallic or non-metallic surfaces without altering the performance. These work at LTE, 4G, 3G, ISM, GPS, Wi-Fi & WiMAX bands.



**Low Profile
Body Mount**

High performance and low profile body mount, industrial grade antennas. Available in multiple RF Bands. They are extremely efficient for their compact size. Can be configured with different cable/connector styles & lengths.



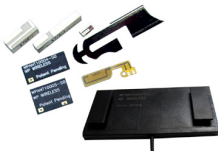
**Stubby
Whips &
Dipoles**

Stubby Antennas built on the framework of Whips and Dipoles. The gains of these antennas have been optimized for delivering optimal efficiency.



**4G/LTE/3G/ISM
Embedded
SMD Style**

SMD style ultra wide-band antenna covering frequencies from 600 to 2700 MHz. This patented Micro-Hepta design is specifically designed for M2M applications to reduce the antenna design and integration effort on the clients' part.



**Miniaturized
Multi-band
Embedded**

Available in Flex, Stamped Metal, Plastic and Chip styles. These are an excellent choice for applications with very tight space constraints and where low cost solutions are desired.



**Body Mount /
Mag Mount
Vandal
Resistant**

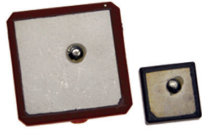
Extremely durable and conformal multi band antennas that are vandal resistant. Available in both body mount and mag mount styles. IK rated.

Product Development and Test Services

Compliant with Directive 2002/95/EC of the European parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive). A maximum concentration value of 0.1% by weight in homogeneous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and of 0.01% weight in homogeneous materials for cadmium.



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GPS/GLONASS Patches and Active Modules

High Performance GPS/GLONASS Patch antennas and GPS/GLONASS + LNAs + Saw Filter/Patch antenna modules in a variety of size options ranging from 10X10mm to 25X25mm.



High Gain Omni Directional

High Gain Pole Mount Access Point antennas for Smart City and Infrastructure applications.

CUSTOM DESIGN SERVICES

Very Fast Design Cycle

Antennas can be designed to operate in any frequency band/bands for your specific application, performance and cost requirements.

R&D Laboratory



- Onsite antenna engineering laboratory with technically advanced RF/Microwave test & measurement equipment.
- 3D near-field and far-field, super-fast and fully automated antenna radiation characterization electromagnetic systems.
- Experienced engineering staff that has designed antennas for various applications ranging from military to consumer wireless.
- Precise mechanical tools that aid in designing and manufacturing antennas in various manufacturing technologies, such as, Ceramics, Stamped Metals, Plastics, LTCC, Flex PCB and more.
- Offshore manufacturing relationships and partnerships with reputed factories in Asia for over 40 years.
- Antennas and antenna systems that operate in several frequency bands such as: 4G/LTE, 5G, 3G, LoRa, ISM Band, Wi-Fi, Zigbee, Bluetooth, RFID, NFC, GPS, GLONASS, UWB can be designed & tested.
- Regulatory testing capability that ensures that the antennas designed comply with safety and performance standards set by FCC, PTCRB and others.



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