## Wireless Antenna Solutions

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AMI/AMR Antennas &amp; Isolation Couplers</strong></td>
<td>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.</td>
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<tr>
<td><strong>Access Point Infrastructure</strong></td>
<td>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.</td>
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<tr>
<td><strong>MIMO Antennas</strong></td>
<td>2X2 and 3X3 MIMO antennas with Pattern &amp; Polarization Diversity for both terminal units and repeater systems. These are industrial grade and designed to withstand harsh environments.</td>
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<tr>
<td><strong>Wall and Ceiling Mount</strong></td>
<td>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 &amp; WiMAX bands.</td>
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<tr>
<td><strong>Low Profile Body Mount</strong></td>
<td>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 &amp; lengths.</td>
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<tr>
<td><strong>Stubby Whips &amp; Dipoles</strong></td>
<td>Stubby Antennas built on the framework of Whips and Dipoles. The gains of these antennas have been optimized for delivering optimal efficiency.</td>
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<tr>
<td><strong>4G/LTE/3G/ISM Embedded SMD Style</strong></td>
<td>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.</td>
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<tr>
<td><strong>Miniaturized Multi-band Embedded</strong></td>
<td>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.</td>
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<tr>
<td><strong>Body Mount / Mag Mount Vandal Resistant</strong></td>
<td>Extremely durable and conformal multi band antennas that are vandal resistant. Available in both body mount and mag mount styles. IK rated.</td>
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</tbody>
</table>
Wireless Antenna Solutions

GPS/GLONASS Patches and Active Modules

- High Performance GPS/GLONASS Patch antennas and GPS/GLONASS + LNAs + Saw Filter/Path 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, WiFi, 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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