

Wavelength Design Solutions (WDS) is the wireless core of Avnet Design Services, providing a full spectrum of RF technologies and systems integration to help you add wireless capability to your product roadmap and accelerate your time-to-market. WDS combines leading-edge RF products (chipsets/modules/antennas) with industry recognized design partners to ease the complexities of embedded wireless integration.



### WIRELESS TECHNOLOGIES

Short-Range	WPAN	WLAN	WMAN	WWAN	Global
<ul style="list-style-type: none"> <li>• RX Only</li> <li>• TX Only</li> <li>• RX/TX</li> <li>• RFID</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth</li> <li>• Zigbee</li> </ul>	<ul style="list-style-type: none"> <li>• 802.11 b/a/g</li> <li>• 900 MHz</li> <li>• 2.4 GHz</li> </ul>	<ul style="list-style-type: none"> <li>• 802.16</li> </ul>	<ul style="list-style-type: none"> <li>• GSM/GPRS</li> <li>• CDMA</li> <li>• iDEN</li> </ul>	<ul style="list-style-type: none"> <li>• GPS</li> </ul>

### INTEGRATION SERVICES

Hardware	Software	Design Kits	Antenna	Compliance Certification
<ul style="list-style-type: none"> <li>• RF Design</li> <li>• Antenna Design</li> <li>• Shielding</li> <li>• PCB Design</li> <li>• Consulting</li> </ul>	<ul style="list-style-type: none"> <li>• O/S Port</li> <li>• CPU Port</li> <li>• Custom Drivers</li> <li>• Custom UI</li> <li>• Security</li> </ul>	<ul style="list-style-type: none"> <li>• Development Kits</li> <li>• Evaluation Boards</li> <li>• Reference Designs</li> <li>• SDK</li> <li>• GUI/API Source</li> </ul>	<ul style="list-style-type: none"> <li>• Single/Dual Freq.</li> <li>• Surface Mount</li> <li>• Snap-In</li> <li>• Outdoor Antenna</li> <li>• Antenna Cables</li> </ul>	<ul style="list-style-type: none"> <li>• FCC</li> <li>• Industry Canada</li> <li>• EMC/SAR/CE</li> <li>• PTCRB</li> <li>• Standards Certification</li> </ul>

Wavelength Design Solutions (WDS) offers a complete wireless line card, encompassing RF technologies with distances of less than a meter, to hundreds of meters, to global wireless coverage. Whichever distance, data-rate, or form-factor you may be looking for to meet your wireless project, Avnet's Wavelength Design Solutions provides a broad selection of wireless technologies from industry leading suppliers to deliver the very best products for your wireless design.

WDS Suppliers	SHORT-RANGE	WPAN	WLAN	WMAN	WWAN	GLOBAL	ANTENNA
	RX or TX Only RX and TX RFID	Bluetooth Zigbee	802.11 b/a/g 900 MHz 2.4 GHz	802.16	GSM/GPRS CDMA iDEN	GPS	
Aerocomm			X				
Analog Devices	X						
Atmel	X						
Conexant	X		X				
GigaAnt							X
Infineon	X	X					
Intersil	X		X				
Motorola	X	X		X	X	X	
Multitech					X		
National Semiconductor	X	X					
Navman					X	X	
Taiyo-Yuden		X					X
Texas Instruments	X						
Tyco (Rangestar)							X
Toshiba	X						
Philips Semiconductor	X		X				
Yageo							X
Wistron			X				
Zcomax			X	X			

## WDS Design Partners

As part of our goal to become your "One-Stop Wireless Shop", Avnet's WDS Design Partner program has forged alliances with some of the very best wireless design houses in their respective fields. From RF design to software porting, our design services will help get your project to completion, certification and production.



**L.S. RESEARCH**  
Wireless Product Development

