

Specialty Products Engineering, Design, Development, Prototyping and Production

American Wireless has over 40 years experience in design, engineering and manufacturing custom wireless communications products and systems.

RF Equipment.

Short range and medium range wireless interconnect devices that are purpose built for the customer application, including RF amplifiers and attenuators, frequency shifting up-down converters, frequency filtering, detection and isolation devices.
Satellite Radio Communications including LEO Transceivers.

Public Safety Communications Equipment.

Hot Monitor Receiver Kit.
Smart Speaker Panels.
Radio and accessory mounting panels.
Wireless Video built into Lapel Microphones and other devices.

Interoperability Communications Systems and Devices.

Nextlink is a stand-alone interconnect device that facilitates connection of a LMR system with a PTT Commercial Handset like Nextel with no technical setup required.
Xtralink is an interconnect system that allows multiple LMR radios to connect with each other and with a PTT Commercial Handset like Nextel.
iNTRlink is a software based multimedia peer-to-peer secure resource sharing platform utilizing the Mutualink Network.

Security Systems.

Access Control Systems.
Wireless Access Control Components.
Call Box Systems for Campus and Base Applications.

SCADA Remote Control Monitoring Systems using MOSCAD and other protocols.

Environmental Monitoring and Control.
Target Control System.
ILS Lighting Control Panel.
Giant Voice Wireless Digital Integration Command and Control

Audio and Video RF Multiplexer and Switches

Bluetooth and Zig-Bee Products

Data over Power Lines Components

ISM Band Products

Wireless Intercom Products and Systems
Wireless Remote Control

Infrared Intercom Products

RFID Products

American Wireless expertise and experience on Digital Logic assures the best most economic design approach on any project with proven hands-on use of the following:

Automatas, Sequential, FPGA, PLC

Micro-base Microcontrollers

Zilog, Intel, Motorola, Atmel, Freescale, Microchip, DSPIC

Graphic Unit Interface

C, C++, C# Net 3.5

Visual Basic 5.0, 6.0, Net 3.5

Palm OS

Emulation, Control, Interface, Data Capture

Power

Power Supplies

Linear, Switching

All Topologies

Motor Control

DPCM, Induction, Step, Relay ASED, H-Bridge, RTJ, MOS, TUP

Special Packaging

RF Enclosures

Severe Environment Enclosures

Transportable Packaging

Jump and Run Cases