ICOM
IP100H Advanced Radio System

Icom's IP advanced radio system for wireless networks products bridges the gap between license-free and licensed radio devices. The system is easy to connect to an existing wireless network and allows full duplex communication with reliable sound quality. Icom's new WLAN-based radio system offers scalable, license-free communication that uses standardized wireless network products as infrastructure. Icom's IP100H WLAN or IP radio is the smallest professional radio on the market. The IP100H is a wireless network radio that can move freely within the network.

Supports full duplex with a headset connected, which allows many users in the system to transmit simultaneously. This is similar to talking on a regular telephone.
Most programming takes place wirelessly over the network eliminating the need to gather all radios every time a change is made.
•Since communication over a WLAN offers a wider frequency bandwidth and QoS priority packet delivery, the sound quality is higher than in a traditional radio communication system and is comparable to regular telephone com-

munication.
•Internal/external antenna
•Vibration alert for incoming calls
•VOX capable with appropriate headset
•Up to 27 hours with standard BP-271
•Supports full duplex with headset connected, which allows many users in the system to transmit simultaneously.
•Reliable sound quality
•Sends status to the IP1000C and IP100FS
•Provides a diagnostics mode.

https://www.icomamerica.com/en/products/network/wlan/ip100h/default.aspx

Bird
RF Master Test Kit

Bird's Master RF Test Kit combines the best of both worlds in RF testing needs for maintaining your RF integrity.
This Master RF Test kit provides all the necessary equipment needed for field technicians and engineers for installation, troubleshooting, and maintenance of coaxial cable and antenna systems and analysis of system performance.
This comprehensive exclusive kit provides coverage with our SiteHawk™ Cable and Antenna Analyzer, SignalHawk™ Spectrum Analyzer, including a power sensor, calibration combo and all must have connection needs with an assortment of adapters, and cables all housed in an organized case.
Coverage you need with any cable & antenna installation and maintenance for wireless service providers, contractors, military, aerospace and defense, and public safe-

ty applications. Quick and easy interference analysis of cellular systems, land mobile radio systems, Wi-Fi.
CABLE & ANTENNA ANALYZER HIGHLIGHTS
Wide frequency range from 1 MHz to 6 GHz.
•Test RF cables and antennas at the frequency of operation.
•Distance to Fault, return loss, cable loss.
•FDR (Frequency Domain Reflectometry) measurement method results in a highly reliable assessment of the health of critical components in your system; ultimately providing a "heads-up" before a failure occurs.
•SPECTRUM ANALYZER HIGHLIGHTS
•Wide frequency range between 9 kHz to 6 GHz providing realtime spectrum monitoring

and analysis of RF frequency circuits.
•Predefined Measurements: Channel Power, ACPR, OBW, Phase Noise, N dB Down Bandwidth, Field Strength, FM Demodulation and more.
•View the spectrum with trace display, spectrogram display, or both.
•KIT COMPONENTS
•SK-6000-TC, 1 MHz to 6 GHz Cable and Antenna Analyzer
•SH-60S-TC, 9 kHz to 6 GHz Spectrum Analyzer
•5017D, 100 MHz - 1.3 GHz Wideband Power Sensor
•25-T-MN, 25W RF Termination
•SK-CAL-MN-C6, Calibration Combo
•Hard Carrying Case
•4240-401, Adapter Kit

https://birdrf.com/Products/Test%20and%20Measurement/Analyzers/RF-Analyzer-Test-Kits/SK-SH-KIT-Master-RF-Test-Kit.aspx
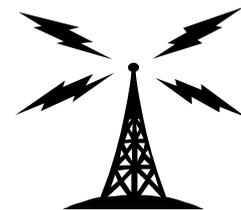
Viavi
T-BERD 5800

The T-BERD®/MTS-5800 handheld network tester is the one tool that network technicians and engineers need to install, turn-up, and maintain their networks. It supports both the legacy and emerging technologies required to handle various network applications including metro/core, mobile backhaul, and business services installations.

The industry's smallest handheld instrument can test throughout the service life cycle, including fiber characterization, service activation, troubleshooting, and maintenance. Advanced Ethernet test features such as TrueSpeed per RFC 6349, J-Profiler™, Wirespeed capture/decode, and automated J-Mentor, help field technicians test their networks faster and more accurately than ever before.

Simplifies multi-technology testing with an all-in-one dual- 10 G handheld, optimized for field use with a multi-touch screen, scripted workflows, and clear results, supports efficient best practices with repeatable methods and procedures with Job Manager guided workflows, speeds fiber characterization, Ethernet service activation, and troubleshooting. The T-BERD 5800 is the prefect test set for mobile and backhaul characterization, validation, and Troubleshooting. Converged Ethernet/IP network testing and troubleshooting at 10 Mbps to 10 G interfaces. Fiber link characterization and troubleshooting. Installation and maintenance of OTN and legacy SONET/SDH and TDM/PDH networks. Remote radio head (RRH) testing at the wireless base station, including CPRI 1-9 rates. PIM and interference testing over optical links (RFoCPRI) and Next generation Fronthaul eCPRI support. Contact us today for more information.

https://www.viavisolutions.com/en-us/products/t-berd-mts-5800-handheld-network-tester

JPS
Z2 Controller

JPS Interoperability Solutions has several decades of experience with voice communications interoperability, fielding their first devices in 1989. Over this time the company has encountered and resolved the wide array of problems that can occur when disparate devices are patched together.

The Z2 Controller embodies that experience, and creates a capable wide area interoperability system, tying together the wide range of various voice communications devices interfaced to it remotely via dual channel RSP-Z2s and other means.

Easily create interoperability nets that cross-connect the various voice communications systems interfaced to the Z2 Controller.

Using the browser-based GUI and a variety of audio options including a USB headset, Desktop boom mic, radio handset, etc., a dispatcher can monitor and/or converse with any number of the Z2 Controller's connected systems.

https://www.jpsinterop.com/products/z2-controller/

Codan
Stratus Repeater

CODAN Stratus™ is the first P25/LTE (FirstNet-ready) hybrid solution that leverages the strengths of both technologies to provide secure mobile and fixed voice networks. With the power of P25 and LTE, Stratus integrates a VHF/UHF/700-800 MHz P25 repeater, Universal Interface Card (UIC) and LTE modem, linking instantaneously into established networks or creating a new communications network without requiring a hard wired ethernet connection.

Stratus is available as a Fixed Site solution or a rugged Tactical Repeater. The deployable Stratus Tactical Repeater has the mobility of a subscriber unit in a lightweight, easily transportable infrastructure solution, ensuring complete system and network coverage from any location. The Stratus Fixed Site solution is a 2RU unit that seamlessly integrates into a fixed network to save on costly leased lines and T1 connections.
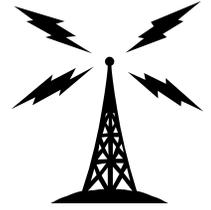
In just minutes you can deploy a Stratus network solution consisting of a Stratus repeater, power center and rapid antenna. The Stratus network automatically establishes connections with P25 subscribers, the Stratus server and P25 DFSI consoles ensuring your teams are connected and up to date.

https://codancomms.com/products/stratus

Federal Signal
SS200+ Series C Hardware

The SS2000+ Series C web enabled controller is Federal Signal's most advanced stand-alone control unit. The SS2000+ typically interfaces to an analog or digital radio system to provide radio activation of sirens across a county, municipal, campus or industrial facility. The SS2000+ has 24 programmable activation button "hotkeys" secured with a keylock switch and 20 contact closure inputs for interfacing with remote control systems. The hotkeys can provide specific types of warnings or test activations to notify residents, employees or students. The 24 Hotkeys are now accessible from a variety of interfaces using a new web interface. The new web interface can provide improved redundancy allowing multiple SS2000+ units to be used as on-line back-ups. Advanced networking features enable the SS2000+ to be connected to Federal Signal's Commander® control and status monitoring software. In addition, the SS2000+ can now connect directly to Federal Signal's CommanderOne® cloud service for secure web access to hotkeys, messaging and automated activation from NOAA EAS events.

The SS2000+ can be used to as an encoder for one-way siren control. Previously using a SS2000+ allowed activation only from the front panel hotkeys, the physical interfaces or from a connected PC. The SS2000+ now provides siren activation from CommanderOne NOAA® EAS events/polygons, from a mobile app or from a web browser over the Internet.

https://www.fedsig.com/product/ss2000-series-c-local-hardware-activation-point

OTTO
NoizeBarrier® TAC

The NoizeBarrier® TAC is the industry's first fully modular tactical communications headset featuring industry-leading hearing protection and 360˚ advanced situational awareness to enhance decision making in a tactical environment.

OTTO has collaborated with tactical operators to design and engineer a headset that meets the demands of today's modern soldier. The result is a headset that improves the ability to hear important conversations or commands in areas with high-background and potentially harmful impulse noises.

The NoizeBarrier® TAC headset delivers an unparalleled soundscape experience by producing crystal clear radio communications and has an external microphone that allows for a state of the art talk-through experience.

https://www.otto-comm.com/products/headsets-and-earplugs/over-the-ear-headsets/noizebarrier-tac

PulseLarsen
Multi-band Antennas

Whether your need is for antennas for police, utility trucks, ambulances, agricultural or recreational vehicles, public transportation or remote monitoring and control Pulse*Larsen* has your multi-band solution. For over 50 years we have produced vehicular/outdoor ruggedize antennas. Our expertise covers G/4G(LTE), WiFi, GPS(GNSS), ISM, and other Technologies.

For precise navigation our solutions cover all satellite navigation types including GPS, GLONASS, Beidou/Compass, and Galileo. Plus we have products that combine navigation with data transmission for complete telematics requirements. Our navigation antennas are designed for use in trucking, commercial fleets, utility, public safety, search and rescue, GPS and mapping markets.

For utility applications we offer extensive ruggedized, tamper-proof and aesthetically pleasing solutions. Our offering includes antennas with lowest profile, steel mounting studs with steel nuts, UV-Rated plastics and other features to keep idle hands from tampering with the antenna.

https://pulselarsenantennas.com/wp-content/uploads/2018/01/PulseLarsen_MultiBand_Flyer_2017_Spread.pdf

Our Manufacturers:

ICOM — How the World Communicates

EC CODAN RADIO COMMUNICATIONS

VIAVI *formerly* AEROFLEX

Bird®

OTTO®

JPS JPS Interoperability Solutions

LYNCOLE XIT GROUNDING — *Where Grounding Bonds With Science™*

CADEX®

TIMES MICROWAVE SYSTEMS

watsonconsoles

INTERTALK™

Pulse Electronics / **LARSEN** ANTENNAS

TASC

Power Products®

STI Survey Technologies Incorporated — *"Geographic Signal Coverage At Your Fingertips."*

FS FEDERAL SIGNAL

TX RX SYSTEMS INC.® COMBILENT™ Group

Alster News

Cadex
C7000 C-Series Battery Analyzers

The Cadex C7000 Series battery analyzers offers a platform that fulfills virtually all battery testing and conditioning needs.

With features such as *QuickSort™* to check lithium-ion batteries in 30 seconds and *Boost* for reviving dead packs, the C7000 truly masters battery testing. Slide a battery into one of 1000 configured Battery Adapters or use a Universal Adapter and you will discover why the C7000 is so simple to operate. Enhance the system with *BatteryShop* ™ software, capture test data and view graphical real-time results on your PC monitor. Combine all this

with a competitive price and it becomes clear why the Cadex C7000 Series has become the world's leading battery analyzer.

Cadex offers three models of C7000 Series battery analyzers, all sharing the same functionality, accessories, battery adapters and intuitive user interface. The analyzers work with most rechargeable chemistries in stand-alone mode or using the optional PC-BatteryShop™ software.

https://www.cadex.com/docs/Cadex_C7000_EN.pdf

More information at:
alster.com

ALSTER communications

ACES 2021

New Dates!
October
Boise—Oct 12
Butte—Oct 13
Spokane—Oct 14