



# Alster News



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## 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 rug-

ged 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 TI connections.

In just minutes you can deploy a Stratus network solution consisting of a Stratus repeater, power center and rapid antenna. The Stratus network auto-

matically establishes connections with P25 subscribers, the Stratus server and P25 DFSI consoles ensuring your teams are connected and up to date.

Contact us for more information. Ω



## T-Rad & nu-Trac Cable

Times Microwave Systems offers TRAD™ and NuTrac™ radiating cables to provide RF coverage in structures which are otherwise difficult to cover. Conventional examples include rail and transit tunnels, underground mines, subways, metal-hulled ships, offshore oil rigs, nuclear power plants and buildings with metal supporting structures.

Multi-point, antenna-based communications systems are unable to provide uniform RF coverage. In order to provide adequate coverage, many service providers increase the power

levels to unacceptable levels. This problem can be overcome with the use of radiating cables instead of point source antennas. These cables act as continuous antennas and are designed to emit RF signals at very low power levels. These low power levels reduce the potential for interference with other nearby systems using the same frequencies and allow for frequency reuse. Examples are the creation of mini-cells within a building and low-level roadside AM broadcast systems.

Other advantages of radi-

ating cables are their ability to carry multiple frequencies on a single cable, and to function as a single broadband antenna. The radio frequency signals are fed between the transmitter and antenna and a controlled amount of energy is leaked into the surrounding environment which provides the needed RF coverage. The radiating cable is designed to both receive and transmit RF signals in the surrounding controlled environment across this single broadband antenna cable.

Contact us today. Ω

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## JPS - NXU-2A

The NXU-2A connects communications equipment to a digital network using RoIP (Radio over Internet Protocol) technology. It is intended for use with radio communications, any four-wire device, and JPS products such as the ACU gateways.

The NXU-2A is a general purpose stand-alone device that interfaces full duplex

audio, one RS-232 port and four status bits onto an Ethernet network. A pair of NXU-2As can form a simple system that creates a transparent communications link between the two. One of a pair of units is set up as the server, the other as the client. The audio, RS-232, and status bits appear to be simply extended between the server and the

client. The NXU-2A offers superior audio quality with a minimal use of network bandwidth.

Designed for years of continuous operation in mission critical applications and remote locations, the NXU-2A has no moving parts and requires no periodic shutdown or maintenance. Start up upon power on is typically 5 seconds. Ω



**JPS  
NXU-2A  
Network Extension Unit**

## Cadex - C7X00 Series Analyzers

The Cadex C7x00 Series battery analyzers offer a platform that fulfills virtually all battery testing and conditioning needs. With features such as QuickSort™ that checks lithium-ion batteries in 30 seconds, and Boost that revives dead packs, the C7x00 truly masters battery testing.

Slide a battery into one of our 1,500 custom Battery

Adapters, or use a Universal Adapter and you will discover why the C7x00 has become the world's leading battery analyzer.

The C7200 Two-Station suits smaller organizations and storefront operations. 40 watts of charge power at 4 amps per station ensure quick service of larger batteries.

The C7400 Four-Station

with four-stations and 80 watts of charge power, the Cadex C7400 is most economical in terms of cost per station.

The Cadex C7400ER is the most powerful of the C7000 Series battery analyzers. Six amps per station, service of 36 volt batteries and 170 watts of continuous power satisfies most service requirements. Ω



**Cadex  
Battery Analyzer**

## VIAVI - 3550R Service Monitor

The 3550R is the first truly portable touch-screen radio communication test system. The 3550R takes radio and repeater site testing to the next level with a quantum leap in an easy to use, integrated test system for complete radio receiver and transmitter performance testing, cable fault and antenna system analysis.

With its ultra-responsive

resistive touch-screen, the 3550R brings a whole new experience to RF testing.

With this resistive touch-screen, the 3550R meets the need of users that require the test set to operate under all conditions, whether on the bench or in the field. Perfect for cold or wet weather applications, the 3550R also features a wider operating

range of -20° C to +55° C and MILPRF28800F Class 2 specification for toughness required for extreme conditions.

With integrated RF power, RSSI, frequency error and modulation meters, the 3550R provides complete analysis of AM, FM, P25, DMR (MOTOTRBO), dPMR, and NXDN radio systems. Ω



**VIAVI  
3550R  
Radio Test Set**



## OTTO - OTTO Connect™

OTTO Connect™ is a fully conversational system that enables hands-free communication among teams of people. OTTO Connect™ wireless intercoms provide up to 18 hours of talk time in a variety of demanding applications and environmental conditions. The digital signal processing technology provides ambient

noise reduction in high-noise environments. Operating in the 900 MHz frequency range,

OTTO Connect™ offers excellent performance in environments where other intercoms fail, including better performance through walls, in rain and over greater distances. The optional Fusion™ accessory

enables work teams to communicate around the world by interconnecting to existing cellular or two-way radio networks.

With five different headset options to choose from there is an OTTO Connect™ to meet your needs

Contact me for a demo. Ω



**OTTO Connect™  
Wireless Intercom  
System**

## Power Products - Chargers

ENDURA chargers provide smart Charging Solutions for Two-Way Radio Batteries and come in four models, EC1 • EC2M • EC6M • EC12M . All models charge Li-Ion, LiPo, NiMH, or NiCd batteries based on pod selected. Advanced charging technology prevents overcharging, while providing automatic recharging when a radio remains powered on. With replaceable charging pods EC chargers can be updated

for future use with other radios.

The Endura EC1 features a compact footprint and is ideal for desktop use. The EC1 includes charging pod, AC to DC power supply, and user manual.

The Endura EC2M Charges two batteries with or without radio. Replaceable pod allows future use with different radios / batteries. Status LED for each position confirms charging in

progress, charging 80% complete, and fully charged.

The Endura EC6M has an ultra-compact footprint. The six charging positions may be configured for a specific radio or six different radio models. The EC6M includes six charging pods, AC-DC power supply, and user manual.

The EC12M Includes 6 replaceable dual charging pods and power supply.



**Power Products  
Endura  
Battery Chargers**

## PulseLarsen - Multiband Antennas

Whether your need is for antennas for police, utility trucks, ambulances, agricultural or recreational vehicles, public transportation or remote monitoring and control PulseLarsen has your multi-band solution. For over 50 years we have produced vehicular/outdoor ruggedized antennas. Our expertise covers 3G/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. 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.

Contact us to help determine the best Pulse Multiband Antenna for your needs Ω



**PulseLarsen  
Razorback Family  
Multiband Antennas**



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**Register for  
 ACES at: [http://  
 www.alster.com/  
 news-events/](http://www.alster.com/news-events/)**



## ACES - 2019 Training Schedule

The Alster Communications Electronics Showcase (ACES) is a one day training and product showcase put on with the support of the Manufacturers that Alster represents.

We provide 6 technical seminars throughout the day and dedicated time with our Manufacturers to see the latest products available in the Communications industry.

ACES is a great day of

training and networking with your peers in the Industry. We also provide lunch and giveaways all at no cost to our Customers!

Our first ACES of 2019 starts on February 7th in Honolulu, HI!

Please go to:

[http://www.alster.com/  
 news-events/](http://www.alster.com/news-events/)

To register for an ACES near you.



### ACES 2019

Mark your  
 Calendars

**Honolulu, HI**

**February 7th 2019**

**Salem, OR May 7th**

**Tacoma, WA May 8th**

**Anchorage, AK May 9th**