

**Spotlight on key products and services to be showcased at SATELLITE 2021, National Harbor, Maryland, September 6-10, 2021.**

## Advantech Wireless New State-of-the-Art Ultra-High Power SSPA System

Advantech Wireless Technologies announced recently that it has delivered its 8.5kW Ultra-High Power Modular Summit II Solid State Power Amplifier (SSPA) System to a major Satcom System Integrator.

The newly designed Summit II Systems consist of four, eight or sixteen high-power SSPAs packaged in ruggedized, outdoor enclosures and integrated into a single frame structure that includes combiners, loads, power distribution and M&C – perfectly suited for fixed and full motion antenna installations. Modular architecture with 1:N built-in redundancy and field replaceable amplifiers minimizes downtime, resulting in the highest service availability in the industry.

Advantech's Summit II systems are designed using the latest gallium nitride device technology and operate over the latest Controlled Area Network (CAN) BUS M&C Protocol for maximum speed and reliability. Summit II is available in C, X, Ku and S-band architectures.

For more information go to: [www.advantechwireless.com/summit-II](http://www.advantechwireless.com/summit-II)

**@SATELLITE visit Advantech Wireless at booth # 1011**



## AvL Technologies

Join AvL Technologies at SATELLITE 2021, Sept. 8-10 at the Gaylord National Convention Center in National Harbor, MD. Register for the expo as a guest of AvL with the code AVL817. AvL will showcase many new antennas and terminals with new capabilities and features, including:

- AvL 2.4m Model 2020-T Axi-symmetric Auto-Acquire FlyAway Antenna
- AvL 1.35m Model 1315 Ultralight Terminal
- AvL 98cm Model 915 Ultralight Terminal

AvL's Dave Provencher will speak on the Designing Ground Systems for Modern Militaries on the Move panel on Sept. 10.

AvL antennas are the industry benchmark of excellence for defense and homeland security, GEO and MEO ground systems, disaster relief, mobile broadband Internet access, oil and gas data backhaul, and satellite news gathering (SNG).

For more information go to: [www.avltech.com](http://www.avltech.com)

**@SATELLITE visit AvL Technologies at booth # 811**



**Model 915 98cm Motorized Segmented FlyAway**

## Comtech Xicom Falcon Airborne GaN SSPAs and BUCs

Designed for airborne satcom systems needing high power density with high efficiency, Falcons are high-performance, in-cabin and cabin-exterior SSPAs/BUCs certified to DO-160 and MIL-STD-810 requirements. These Falcon SSPAs with internal L-band BUCs, provide extensive data logging, very high reliability, attenuation control and full calibration capability.

Available in both Ku-band and Ka-band, Falcon SSPAs provide high performance and high linear power density for the demanding airborne satcom applications. These SSPAs are:

- Powerful – 20W to 50W linear power
- Lightweight – 14 lbs to 20 lbs
- Compact – ARINC and custom package
- Reliable – Certified to DO-160 Category A1 to F2
- Flexible – Options for multiple Ka-bands and switched BUCs, extensive attenuation control and calibration capability



The high efficiency technology and advanced packaging techniques used enable industry-leading products that meet the tough environments of airborne applications. These powerful Falcon SSPAs are offered with a range of single and multi-band BUC options in the 27.5 to 31.0 GHz Ka-band. They also incorporate extensive attenuation control, data logging and web GUI availability, and run on 50 MHz frequency reference.

For more information go to: <https://xicomtech.com/product-category/airborne-hpas/>

@SATELLITE visit Comtech Xicom at booth # 1000

## Optimize your transportable terminal with Xicom Bobcat GaN BUCs

Contact Xicom for from-stock availability

- **Powerful:** 16, 25 and 32 Watt linear power per MIL-STD-188-164
- **Compact:** 4 to 6 pound antenna-mount packages
- **Efficient:** Low power draw, optional battery save and keyline modes
- **Rugged:** -40°C to +60°C, MIL-STD-810 environment
- **Flexible:** Interchangeable X-, Ku- and Ka-Band. Options for multiple Ka-Bands and switched BUCs
- **Quiet:** Extremely low leakage supports X-band multi-carrier operation on low PIM antennas



[www.xicomtech.com](http://www.xicomtech.com)

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See us at  
Satellite2021  
Booth #1000

## Flyaway and Maritime Antennas from JONSA Technologies

Jonsa Technologies from Taiwan is an exceptional manufacturer of communication antennas, and we make invest heavily in new products development. Following up the satellite trend is our mission to satisfy with specific market segments, and we continue to innovate on advanced products-Flyaway and Maritime. The key features of our advanced products include:

- 0.6M/0.9M Auto or Manual Flyaway antenna — Flyaway applies to the war zone for military communications and broadcast media, and it is extremely portable and supports manual, auto and one button capture satellite within 3 minutes.
- 0.6M/0.9M Ka and Ku band Maritime with radome — Maritime is suitable for merchant vessels, fishing, luxury yachts and more, and it can achieve the image, voice, and data transmission with high speed as well. Not only can it provide the tracking function, but it can also enhance the precision.



For more information, go to: [www.jonsa.com.tw](http://www.jonsa.com.tw) or email [saccount@jonsa.com.tw](mailto:saccount@jonsa.com.tw)

**@SATELLITE visit Jonsa at booth # 1040**

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**Link Jonsa VSAT Antenna Cover Your Life**

## Mission Microwave SSPAs and BUCs

**Mission Microwave Technologies** is a manufacturer of highly efficient Solid State Power Amplifiers (SSPAs) and Block Upconverters (BUCs) based in Cypress, California. Mission's signature Stinger, Javelin, Titan, and MOAB products have been designed into families of terminals across X-, Ku- and Ka-band frequencies, and are the high power product of choice for tactical end-users. The common form factor and interfaces of these products allows SATCOM terminal designers to create flexible platforms, eliminating the need to re-engineer the implementation when missions change.

Mission Microwave Technologies brings revolutionary design for RF (Radio Frequency) and microwave electronics, supporting ground-based, airborne, and space-based applications. Using the latest in semiconductor technology, Mission Microwave's focus is to minimize the size, weight, and power (SWaP) for these critical applications, while providing its customers with the best possible reliability. Mission Microwave sets the new standard for design, performance, and reliability.



Mission Microwave X-, Ku-, and Ka-band GaN BUCs

Mission Microwave supports the satellite terminal industry with high performance X-, Ku-, and Ka-band products from highly integrated transceivers in the 10-80 watt range to large-scale amplifiers up to 400 watts for gateway installations. Customers rely on Mission to provide the highest level of capability, reliability, support, and on-time delivery. Mission Microwave will be exhibiting their entire line of X-, Ku-, and Ka-band solid-state products at the Satellite 2021 conference September 8-10, 2021 in National Harbor, Maryland.

For more information go to: [www.missionmicrowave.com](http://www.missionmicrowave.com)

**@SATELLITE visit Mission Microwave at booth # 519**

## The New C-Band IBUC G for Multicarrier Application is Now Available

**Terrasat Communications** presents the new state-of-the-art 400W/500W IBUC G for multicarrier application. The new GaN IBUC G model now supports multicarrier transmissions across the full C-band spectrum. The 500W model produces +54 dBm of linear output power and is ideal for all high data rate multicarrier applications such as maritime, broadband, broadcast, and network hubs. All IBUCs allow the operator to customize configurations & manage alarms & sensors for real-time network management and control backed by a 3-year warranty. IBUC reliability is baked into the IBUC G design and verified through intensive individual unit testing.



For more information on the available units, go to: [www.TerrasatInc.com](http://www.TerrasatInc.com)

**@SATELLITE visit Terrasat at booth # 1040**

## RF-Design's New modular 4+1 Redundant L-Band line Amplifier

RF-Design is specialized in developing, manufacturing and marketing high quality RF equipment, RF distribution and RF-over-Fiber solutions for the international Satellite-, Broadcast- and Broadband communications market. Our product portfolio includes a wide range of Switch Matrix systems, RF-over-Fiber solutions, Splitters/Combiners, Switches/Redundancy Switches, Line Amplifiers and RF monitoring solutions, all perfectly suited for applications in Teleports, Satellite Earth- Stations as well as for Broadcast- and Broadband RF distribution infrastructures. We also have strong capabilities to design and to manufacture custom-made products and solutions for your individual needs.

All our products are developed, manufactured, tested and approved in our own facilities in Lorsch/Germany and characterized by high quality, reliability and superior RF performance.

At SATELLITE 2021 you will see our new "FlexLink K4" Switch Matrix, the Quad RF-over-Fiber system "QLink", the innovative 4+1 line amplifier "HQR45C" and our new dual RF power meters "PwrMxG". We look forward to meeting with you and to talking about your individual RF equipment requirements.

For more information, go to: <https://rf-design-online.de> or email [contact@rf-design-online.de](mailto:contact@rf-design-online.de)

@SATELLITE visit RF Design at booth # 410



# "FiberLinkplus" RF-over-Fiber Solutions

Meet with us at Booth #410 **SATELLITE 2021** 40 YEARS IN THE MAKING 8 - 10 September 2021 National Harbor - USA

- ▶ Up to 16 Optical Modules per Chassis
- ▶ Non-Redundant, 1+1 and N+1/N+2 Redundant Versions
- ▶ Suitable for Outdoor & Indoor Applications
- ▶ Comes with Many Integrated Features
- ▶ Superior RF Performance & Quality
- ▶ Optimal for Satellite Ground Stations, Teleports, VSAT Operations ...



## Introducing ST Engineering iDirect IoT Solution

Unlock the potential with your existing ST Engineering iDirect hub infrastructure. By adding cutting-edge IoT terminals and optimized waveform technology, your new satellite IoT Solution begins now with:

- Compact, flat-panel satellite terminals with embedded satellite modems
- Variants available for fixed and dynamic use cases in Ku and Ka Band
- Hub integration options to optimize time to revenue on existing gateways
- Robust, cloud-based NMS for ease of configuration and operational support
- Service enablement models As-a-Service that are flexible and support growth



To learn more, visit: [idirect.net/products/iot-solutions](http://idirect.net/products/iot-solutions).

## Spacebridge



SpaceBridge is a proud developer and provider of satellite network equipment and services, including VSAT HUBs and Terminals for Point-to-Point, Point-to-Multi-Point, and Mesh typologies, as well as SCPC and broadcast modems for GEO and NGSO satellite constellations. SpaceBridge also provides Cloud-Based autonomous managed services for its customers.

SpaceBridge Inc.'s diverse portfolio includes the ASAT™ product line, which serves different verticals with various technologies and applications. Key areas of focus are: Cellular Backhaul for 2G/3G/4G and 5G, Industrial Internet of Things (IIoT), Commercial and Military SatComs-On-The-Move, High-Speed Broadband, Multicast IPTV, Voice-over-IP (VoIP), Videoconferencing, L2/L3 VPN, Virtual Network Operator, and HD/UHD TV Broadcasting. ASAT™ Wave Switch™ innovative, award-winning technology enables dynamic return link selection and switching to the most-appropriate waveform, whether MF-TDMA, ASCPC, or SCPC. Thereby optimizing satellite resource usage for satellite networks and operators.

SpaceBridge Inc. continues to enhance its innovative architecture to not only meet today's satellite challenges in managing ground and space satellite resources, but also to provide superior solutions that address the New-Space satellite challenges of tomorrow.

For more information go to: [www.spacebridge.com](http://www.spacebridge.com)

**@SATELLITE visit Spacebridge at booth # 601**



**U7400 Professional Mobility/  
Trunking VSAT Router**

## Walton De-Ice Systems

**W. B. Walton Enterprises, Inc.** AKA Walton De-Ice has been the satellite industry leader in Earth Station



Antenna De-Ice systems for over 40 years. Beginning with our flagship, Hot Air Plenum De-Ice as the most economical and efficient method of keeping snow and ice from accumulating on antennas ranging in size from 3.7 meter up to 32 meters.

As the industry has evolved and antenna size requirements became smaller Walton De-Ice has lead the way in providing methods of signal protection such as our patented Snow Shield and Ice Quake/Rain Quake for antennas ranging in size from 0.65 meter up to 6.5 meters. Available in heated or passive solutions, when

considering budget and operating budget no other method of antenna de-icing compares in cost and efficiency.

With the emergence of LEO Tracking antennas and mobile solutions the Walton Portable Radome has no competition when protecting terminals from weather such as rain, snow, ice, heat or blowing sand. Virtually invisible to RF and the ability to withstand wind up to 85 MPH/137 KPH

For more information, go to: [www.de-ice.com](http://www.de-ice.com)

**@SATELLITE visit Walton Enterprises at booth # 1719**

## WORK Microwave



Headquartered in Holzkirchen (near Munich), Germany, and comprised of four operating divisions —Satellite Communication, Navigation Simulators, Defence Electronics, and Sensors and Measurement—**WORK Microwave** leverages over 35 years of experience to anticipate market needs and apply an innovative and creative approach to the development of frequency converters, DVB-S2/S2X equipment, and other digital signal processing technologies while maintaining the highest standards for quality, reliability, and performance.

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WORK Microwave's Satellite Communication division develops and manufactures high-performance, advanced satellite communications equipment for earth observation, NGE0 constellations, direct-to-home broadcast, IP networks, teleport management, government communications, and many more applications.

For more information go to: [www.work-microwave.com](http://www.work-microwave.com)

**@SATELLITE visit Walton Enterprises at booth # 918**