

Prime Connection

3Q 2021

PRIMUS

P5 / PULSE
NEW! NMO TRI-BAND
SUPERFLEX ANTENNA SERIES

P6 / TIMES MICROWAVE
LPA-500 LLPL

P7 / RAILROAD
Fully Compatible Cost Effective Chargers

P8 / MARK PARABOLIC
Grid antennas

PRIMUS

The Difference in Wireless Distribution

Primus
4180 E Sand Ridge Rd.
Morris, IL 60450

Primus West
601 S 55th Avenue
Phoenix, AZ 85043

Quotes and Order Support
(800) 435-1636 tel (Morris, IL)
(480) 606-1520 tel (Phoenix, AZ)
(800) 767-7605 fax
support@primuselectronics.com

Office Hours
Monday - Friday
7 am - 6 pm

Pickup Hours
Monday - Friday
7 am - 8 pm

Connect with us

Proudly serving our customers since 1980.
Privately held and proud of it.
President – Michael A. Johnson



Trade Shows & Training

2021 TRADE SHOWS

PRIMUS is finished with tradeshow season, we hope to see you next year!

TRAINING

Anritsu SiteMaster™ Certified Line Sweep Training 2-Day Course, \$1,395 pp
Anritsu PIM Master™ Certified PIM Training 1-Day Course, \$1,295 pp
CITCA Authorized Climber
CITCA Tower Rescue & Competent Climber
CITCA Train-the-Trainer
CommScope, ComStar, ODM Fiber, EXFO, Harger, Bird Technologies, JMA, and Kaelus Trainings available upon request.
Visit primuselectronics.com or contact Training with Primus at (800) 435-1636 or training@primuselectronics.com for more information and registration.



ILSWA Charity Golf Event - 2021

The 14th annual 2021 Illinois Wireless Charity Golf Outing was a great success. After 2020 and the challenges we continue to face this year, it was great to network and visit with friends/ customers and make some new friends while out on the course. The heat didn't stop us from having a wonderful time. Primus was represented by Cady Eib, Marketing, Sharon McDonald, Territory Manager working the beer tent while Doug Melander, Territory Manager and Reggie Smith, Director Business Development took their talents on the golf course.

This event benefits Misericordia Heart of Mercy and St. Jude Children's Research Hospital. While we are all moving in different directions, competing with one another, it is great to see all of us come together on this day and support these charities.

Primus is proud to be a part of this family, honored to be a sponsor and support this amazing organization.

Thank you to everyone who stopped by the Primus tent!



THERE IS NO ORDER TOO SMALL FOR PRIMUS!

Primus does not have a minimum order policy! So no matter what your order is, big or small, Primus has got you covered!

Contact us at 800-435-1636 or support@primuselectronics.com

WELCOME OUR NEW EMPLOYEE!



Amy comes to us from the home remodeling industry. She has many hobbies; some of which are painting, cooking, performance arts, and water sports. She is quite an animal lover, with multiple pets! She also enjoys tending to her bonsai trees and other plants, especially when she gets to cook with ingredients she grew herself. She is very excited to be part of the Primus

NEW! NMO TRI-BAND SUPERFLEX ANTENNA SERIES FROM PULSE



The NEW NMO TRI-BAND SUPERFLEX ANTENNA SERIES, engineered with high quality impact resistant material, is a premier public safety antenna solution. With coverage that includes VHF, UHF, and 700/800/900 MHz frequency bands, this antenna will be compatible with almost any radio. The tri-band operation reduces the number of antennas required for your vehicles. The flexible whip material protects against damage in rugged environments and low clearance situations. Pair this antenna with our NMO High Frequency mounts with choice of connector and cable length to create a superior antenna solution!

FEATURES AND BENEFITS

- Tri-Band Frequency Coverage: VHF, UHF, 7-800 MHz
- Impact Resistant Super Flex Whip Material
- VSWR <2.5:1
- Fits All Standard NMO Mounts
- Reduces Number of required antennas on vehicle

For more information contact a Primus Sales Representative today at: sales@primuselectronics.com



TIMES MICROWAVE

LPA-500 LLPL

The LPA-500 LLPL air-dielectric corrugated plenum cable is a low-loss, plenum listed (type CMP) coaxial cable. This cable offers excellent intermodulation performance, and can be used as feedlines within buildings to support distributed antenna systems (DAS); public safety communications systems; RF backbone interconnects within plenum airspaces; and additional applications.

As demand for always-on connectivity and the explosive growth of data continue to create a strain on wireless networks, DAS technology is increasingly being utilized to expand coverage and capacity . This 1/2" Plenum RF Cable is an affordable option and complements Times' extensive portfolio that includes high-performance coaxial cables, connectors, cable assemblies, accessories and other products for wireless installations.. The solid outer conductor of the corrugated coaxial cable offers complete shielding with a continuous RFI/EMI shield that minimizes system interference.

FEATURES

- Listed Type CMP Plenum Cable
- Supports Multiple RF Signals
- Complete Shielding
- Outstanding Intermodulation Performance
- Wide Range of Applications.



Fully Compatible Cost Effective Chargers for Wabtec/Pulse, US&S, and Quantum 12V SLA Battery Packs.

Features:

Battery Polarity Reversal: Protects the charger and battery pack against incorrectly installed batteries.



24V NextGen & 12V SLA Battery Packs

Over Current Protection: Protects the charger from over-current demand.



Replacement Assemblies

Short Circuit Protection: Protects the charger from short-circuit damage.

Over Voltage Protection: Protects the battery pack from damage.



Wabtec/Pulse, US&S and Quantum 12 Volt SLA Battery Packs.

To answer any questions please contact Primus at support@primuselectronics.com.

- Contributed by Pat Morgan

(800) 435-1636 | support@primuselectronics.com

MARK PARABOLIC GRID ANTENNAS ARE HISTORY IN THE MAKING

Antennas do not age, they evolve as we have seen with our Mark Parabolic Grid antennas.

Thousands of Mark parabolic grids have been produced since the 1960s and have been shipped to customers worldwide. Starting at 3-ft (0.9m) our antennas go up to 15-ft (4.6m).

A leader in the development of microwave parabolic grid antennas, Mark Antenna has been instrumental in providing rugged light weight antennas to the public safety, utility, carrier and energy markets including both government and military sectors.

We have improved feed enhancements for increased performance and reliability, introduced new training videos for common installation questions and we have an antenna and feed repair service. We believe strongly in the work that these antennas are subjected to which is why we have a re-new to factory spec program. Our aim is to offer continued



For more information contact a Primus Sales Representative today at: sales@primuselectronics.com

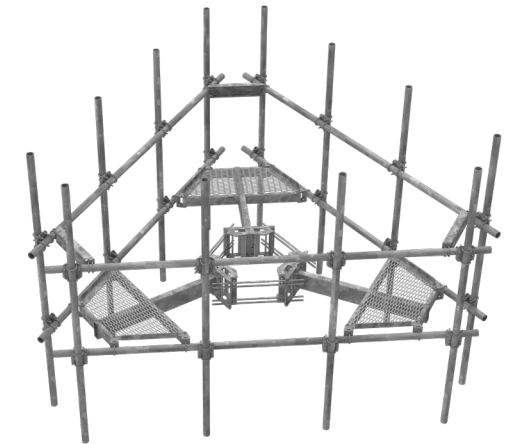
ATLAS Monopole Platform Solution

Network operators' loading issue

As mobile networks accelerate their 5G planning and deployment, they are increasingly using larger, heavier, radio-integrated antennas. Site architects and structural engineers wonder how they'll support the additional loading on structures that are already loaded to capacity. The issue grows more acute at macro sites featuring monopoles, where the struggle between cost, performance and available space is fluid and never-ending. Standard platforms and mounts lure site architects and structural engineers into the inevitable situation of reinforcing or replacing. The typical solution offers limited capacity compared to today's everevolving equipment needs. Adding "kickers" to support higher loads can increase capacity but often requires additional lease space on already crowded infrastructure. Such modifications also require additional engineering analysis to confirm the platform's new capacity-adding time and potential cost to the already-tight timelines of deployments.

Introducing the Atlas Monopole Platform

CommScope's innovative ATLAS Monopole Platform provides the simplified design, high-load performance, and data analysis that MNOs need to grow with confidence. A high-capacity collar mount and high-strength structural tubing (HSS) simplify analysis, construction, and installation. Not only is the CommScope Monopole Platform TIA-5053 compliant, but we also make it easy to test and verify. And, because the ATLAS Monopole Platform is upgradeable, it helps keep your network future-ready.



ATLAS: strong enough to carry you into the future

CommScope's innovative ATLAS Monopole Platform solution provides the high-load capacity and performance that simplifies analysis, construction and installation, and ensures your tri-sector monopole deployment meets the latest TIA standards.

The design uses high-strength rectangular standoff tubes to create a heavy-duty standoff system. The simple design enables the use of commercially available software such as RISA-3D for fast and simple analysis.

Another feature of the mounting structure is the uniquely designed pivot brackets that replace the traditional clip angles. Typically, the old clip angles are made from bent steel plates whose structural integrity can be compromised by lateral wind loads. The new pivot brackets feature a thicker dual flange that compensates for the stress at the weak axis.

CommScope not only guarantees your Monopole Platform is TIA-5053-compliant—we make it easy for you to test and verify.

Five reasons to let ATLAS shoulder your load:

- **Higher load capacity:** An innovative and thoroughly tested heavy-duty collar mount, HSS tubular design, and thicker dual-flange pivot bracket stand up under increased load capacities.
- **Ability to easily self-test:** ATLAS uses a simplified single beam-based design and provides a RISA-3D analysis and technical documentation—letting you easily confirm it meets your specs.
- **TIA-5053 compliant:** The platform mount and frame are designed and tested for 180 mph wind loads and rated up to M2200R (1700)4-[6]
- **Upgradeable:** The ATLAS portfolio includes a PVS top rail enforcement kit—making it easy to upgrade and keep your network future-ready.
- **Efficient deployment:** The simplified design and ability to easily self-test reduce the time and cost needed for analysis, construction and installation—keeping you on schedule and within budget.

SureCall - Industries Most Powerful Vehicle Cell Boosters

Primus Electronics partners with Surecall to distribute their Mobile Cell Signal Booster family of products!

No matter what your specific mobile cell coverage needs, Surecall offers a kit designed to keep you in contact while in the field. Surecall boosters feature the highest quality components and are supported by an industry leading 3-year warranty and US based product/tech support. All Surecall mobile kits include everything needed for a complete and easy install with no software to deal with, no service fees and no adjustments required. Each kit includes an amplifier employing Surecalls 2XP technology which provides twice the uplink power, downlink gain, and higher signal to noise ratio (SINR) – giving users the best possible performance in those weak signal environments mobile operators find themselves in.

Surecall offers four distinct models providing great coverage but designed to work in different applications.

Surecall SC-Fusion2Go3

This is Surecalls budget kit which provides the standard amplifier with 2XP enhancement but with a small form factor “mag-mount” antenna and internal patch broadcast antenna.



Surecall SC-Fusion2Go3-RV

This Surecall kit is designed for RV applications where you have the ability to mount an omni directional, high gain, low profile base antenna on the roof hardware of a coach. The kit includes 40 ft. of 240 type cable and connectors and a directly attached broadcast antenna mounted on the amp for coverage inside the RV.



Surecall SC-Fusion2Go3-NMO (Fleet)

Surecall has optimized this kit for fleet applications where a low profile permanent NMO style roof mount antenna can provide the best performance and transportability between vehicles is not an issue. The NMO mount and ground plane offers superior performance across your whole fleet. This kit does require a roof install by a trained technician.



Surecall SC-Fusion2GoMAX

This kit is Surecall most powerful “Grab and Go” package featuring both the 2XP enhancement plus ERT technology incorporated in the active mag-mount antenna. ERT (Extended Range Technology) amplifies cell signals outside the vehicle effectively bypassing cable loss and producing faster data speeds and keeping users connected farther from cell towers. The “in vehicle” broadcast antenna is patch style. This kit can help support multiple users in the same vehicle as well.



Whatever your application, Surecall has a kit to solve your coverage problems. Primus is the major stocking distributor for these mobile products as well as Surecalls home, office and enterprise cell boosters.

Contact Primus to discuss your cellular coverage needs at 800-435-1626 or support @primuselectronics.com!

**Special Promotion
Sept 7th - Oct 1st!**

Fusion2GoMax vehiclular kit and FusionPro (powerful home/office package) with special pricing at 50% off dealer price to qualified reseller.

(Limit 2 of each per reseller)

NEW 4.3-10 VHF/UHF HIGH PERFORMANCE SURGE PROTECTORS FROM POLYPHASER

Designed to protect outdoor radio and antenna installations, PolyPhaser's new 4.3-10 VHF/UHF RF surge protectors offer excellent RF signal performance and low let-through high performance surge protection.

Ideal for critical communication network and land mobile radio operators, these RF surge protectors are UL497E certified, in-stock for same-day shipping to support urgent deployment needs, offering 4.3-10 compatibility and high RF continuous wave and peak input power ratings.

Product Features:

- 4.3-10 connectivity, all gender combinations
- 20kA surge rating
- Bi-directional, repetitive strike surge protection
- Low let-through high pass filter design
- Broadband performance from 100 MHz to 520 MHz
- High CW and PIP RF power
- Low PIM (PIM rated models only)
- Waterproof IP67 rated
- Two different mounting bracket options
- UL497E certified
- Motorola R56 compliant



For more information on these new RF surge protectors, contact Primus at 800-435-1636 or support@primuselectronics.com.

PRIMUS

4180 E Sand Ridge Rd.
Morris, IL 60450