

Prime Connection

3Q 2023



P4/ PCTEL
- ANTENNA SOLUTIONS

P6 / NEWMAR
- THE VITAL LINK

P8 / COMMSCOPE
- THE FUTURE OF FTTA

P9 / PRIMUS
- 16TH ANNUAL ILSWA GOLF OUTING

PRIMUS

The Difference in Wireless Distribution

Primus
4180 E Sand Ridge Rd.
Morris, IL 60450

Quotes and Order Support
(800) 435-1636 tel
(800) 767-7605 fax
support@primuselectronics.com

Office Hours
Monday - Friday
7 am - 6 pm

Pickup Hours
Monday - Friday
7 am - 6 pm

Connect with us

[f](#) [in](#) [t](#)

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



Trade Shows & Training

TRADE SHOWS

UTC Region 5 - October 16-18 - Duluth, MN

TRAINING

Anritsu SiteMaster™ Certified Line Sweep Training 2-Day Course, \$1,395 pp
Anritsu PIM Master™ Certified PIM Training 1-Day Course, \$1,395 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.

Prime Connection is published as a corporate communications magazine for customers and friends of Primus. The magazine is published by the Primus Marketing Department at 4180 E Sand Ridge Road in Morris, IL. To receive an email notification stating the release of the next newsletter, please email marketingdept@primuselectronics.com or call (815) 267-7402.

E/M Wave Multi-Band Glass Mount LTE Antenna



Part number
EM-A40011-SP
698-960 MHz / 1.3 dBi
1710-2700 MHz / 2.2 dBi

- Ultra Low Profile - Less Than 1/4 inch Thick
- Easy installation with 3M™ adhesive mount on glass or other non-conductive surface
- Direct connect - SMA Male Connector on 10 ft Low-Loss RG-174 cable
- Ideal for Mobile Router, Modem & Gateway data operation
- Supports operation on Verizon™, AT&T™, T-Mobile™, Telus™ Bell Canada™ & Rogers™ 4G-LTE networks
- IP67 Ingress Rated: water, dirt & dust-proof

PRIMUS

For pricing and availability
please contact (800) 435-1636
or sales@primuselectronics.com

SUBSCRIBE TO PRIMUS

Click [HERE](#) to receive email updates from Primus and to make sure you don't miss a quarterly newsletter! We do our best to make it easy to learn about the latest developments and industry trends!



PUBLIC SAFETY NETWORK TESTING SOLUTION

Verify and Document Critical Communications Coverage

- 
POLICE
- 
FIRE
- 
EMS
- 
BUSINESS CRITICAL / LIFE SAFETY
- 
CELLULAR
- 
WiFi

In-Building Coverage Testing, Commissioning, and Code Compliance

- Streamline grid-based testing to meet NFPA 1221, IFC 510, and local code requirements
- Commission FCC-compliant Business Critical and Emergency Responder Communications Enhancement Systems (ERCES)
- Verify P25 uplink performance automatically during grid, drive, and walk tests
- Test in-building or outdoor signal quality across multiple LMR, cellular, and WiFi networks
- Automatically generate real-time pass/fail results and printable reports



PCTEL

Critical Communications Testing: Public Safety, Life Safety, Business Critical

PCTEL's Public Safety Network Testing Solution combines the precision measurement capabilities of the IBflex® scanning receiver with our tablet-based SeeHawk® Touch software. Choose the kit and options that meet your testing needs.

"I'm able to do my on-site pre-walks in half or even one-third of the time as before when I had to do a more manual walk through the building to record every single frequency."

— Joseph Rohlic Program Manager and Director of Construction Services at Radio One

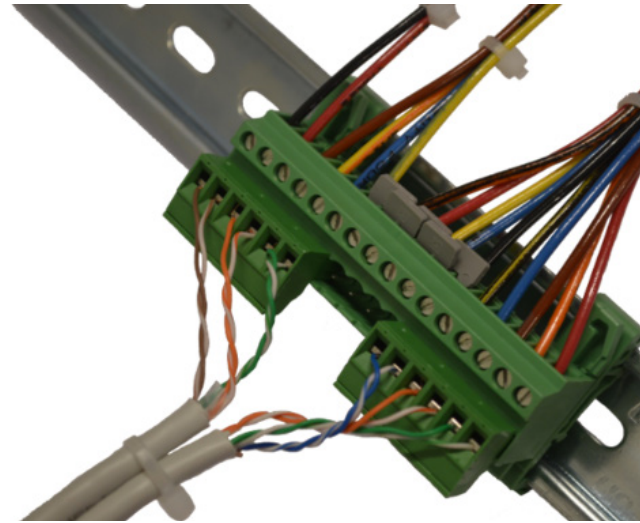
Kits	IBflex® Scanning Receiver	SeeHawk® Touch Software	Accessories
Public Safety Network Testing Solution – In-Building P25, DMR, or TETRA	Lightweight multi-band, multi-technology radio receiver with Bluetooth® connectivity <ul style="list-style-type: none">• Measure all frequencies 10 MHz - 1 GHz• P25, DMR, or TETRA downlink signal decoding• 5-Year Warranty	Data collection, spectrum analysis, and reporting tools on an Android™ tablet <ul style="list-style-type: none">• Grid test radio channel power (any technology)• Grid test P25, DMR, or TETRA signal quality (SINR and BER)• Grid test uplink (2nd kit with uplink or SeeHawk™ Monitor system required at radio site)• Grid test noise channel power• Equipment room test• Indoor walk test• Signal Analyzer	<ul style="list-style-type: none">• Android™ tablet• Battery pack• Back or side pack• Walk test antennas• Carrying case• A/C charger
Public Safety Network Testing Solution – In-Building P25 & ATT-VZW-TMO	All P25 kit features, plus: <ul style="list-style-type: none">• Decode 4G LTE• All Verizon, T-Mobile, AT&T and CBRS LTE bands	All P25 kit features, plus: <ul style="list-style-type: none">• Grid test LTE signal quality	
Public Safety Network Testing Solution – P25 & Cellular	All P25 kit features, plus: <ul style="list-style-type: none">• All cellular bands 10 MHz - 6 GHz• Decode all 2G, 3G and 4G cellular technologies	All P25 kit features, plus: <ul style="list-style-type: none">• Grid test LTE and UMTS/WCDMA signal quality• Outdoor mode for drive test• Antenna Verification Testing (AVT)	All P25 or TETRA kit features, plus: <ul style="list-style-type: none">• Vehicular rooftop antennas• Car charger
P25 Uplink (add-on option for 2nd kit connected to radio site)	<ul style="list-style-type: none">• Single P25 traffic channel uplink signal decoding• Uplink channel power (any technologies, multiple channels)	<ul style="list-style-type: none">• Test P25 uplink traffic channel signal quality (SINR and BER) – one channel per kit• Automatically synchronizes measurements with grid-based testing, walk testing, drive testing and reporting on primary kit	<ul style="list-style-type: none">• Use SeeHawk™ Monitor instead for multi-channel uplink
Additional options	<ul style="list-style-type: none">• Decode DMR, P25, TETRA, WiFi, 5G NR, NB-IoT, LTE-LAA, or LTE MIMO technologies	<ul style="list-style-type: none">• Additional software licenses for planning and reporting	<ul style="list-style-type: none">• Certification training• CW transmitter• Additional batteries

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

For more information please contact a Primus sales representative at 800-435-1636 or support@primuselectronics.com.

Newmar The Vital Link



Newmar's new Power Enclosure Alarm Kit is a plug-and-play solution that reduces the guesswork when installing in-building Public Safety equipment! Acting as The Vital Link, this product allows Newmar's PE series of battery backups to effortlessly be interfaced with BDAs and DAS units from the industry's leading manufacturers including ADRP, Comba, & Fiplex.

Key Benefits:

- Universal solution that works with any major BDA or DAS system
- Easily configurable to meet specific deployment needs
- Plug-and-play system enables straightforward installation
- Provides an effortless, seamless connection between two complex solutions
- And more!

Shop Now At <https://www.primuselectronics.com/products/newmar-power-enclosure-alarm-kit/>

Product is in stock now and ready to ship directly to your site! Contact a Primus Sales representative for more information at 800-435-1636 or support@primuselectronics.com.

Click **HERE** to
view the
Power Enclosure
Alarm Kit!

DuraComm New Line of Inverters from DuraComm



DuraComm's new 1RU, 400W inverter is designed to provide seamless back-up power for AC powered communications equipment from the site's 48 VDC power system. Product features include:

- True-sine wave output
- Wide operating temp range
- 4 NEMA 5-20R AC receptacles (1 front, 3 rear)
- Standard 19" 1U rackmount
- Built-in protection
 - Input: Reverse polarity/DC low alarm/DC low shutdown/over voltage
 - Output: Short circuit/overload/over temperature
- And more!

This is the first product in the new DuraComm inverter line, with more to come in the future!

Shop Now <https://www.primuselectronics.com/products/duracomm-400w-48vdc-rackmount-inverter-1-front-3-rear-outlets/>

For more information contact a Primus Sales Representative today at 800-435-1636 or sales@primuselectronics.com

Click **HERE** to view the
new inverter from DuraComm!

The Future of FTTA- Fast, Agile, Easy.

COMMScope®



HELIAX® FTTA family of solutions

Outdoor wireless RF paths are growing more diverse, complex, and crowded. Each has unique FTTA requirements regarding configuration, connectivity, upgradeability, and more. One look at HELIAX® fact sheet, and you'll see how easy it is to support all your FTTA applications and requirements with a single portfolio that's easy to deploy, future-ready, and flexible.

The CommScope family of HELIAX FTTA connectivity solutions features three customizable designs—discrete, trunk/breakout, and modular. Each is optimized for various use cases. Together, they deliver the options and performance to support your accelerating and evolving outdoor wireless network.

Contact Primus at 800-435-1636 or support@primuselectronics.com for more information!

THE COMMScope OUTDOOR WIRELESS NETWORK FAMILY OF HELIAX® FTTA CONNECTIVITY SOLUTIONS OFFERS THREE HIGHLY CUSTOMIZABLE DESIGNS.

HELIAX Discrete:



Separate fiber and power cables provide a familiar design and installation process. Meanwhile, the solution is also highly customizable—from connector types to breakouts and cable lengths. The result? Less cable prep, lower material costs, and faster installation.

HELIAX Modular:



Configurable discrete fiber/power and hybrid trunks terminate on the tower at plug-and-play breakout solutions—including CommScope's stackable and recyclable SkyBlox™. Once deployed, upgrading the Modular FTTA solution is as easy as replacing or adding jumpers.

HELIAX trunk-to-breakout box:



A single trunk cable with up to 32 fibers and 16 power conductors terminates at a breakout box just below the RRUs. The simplified design requires only one installer to prep, hoist and connect the cable. Reduce material requirements, tower loading and installation time.

Together, these solutions create a single portfolio that enables MNOs to address most FTTA applications and requirements.

16th Annual ILSWA Golf Outing

On July 28th, Primus was thrilled to be a part of the 16th annual ILSWA Golf Outing. This year's outing was held at the beautiful St. Andrews golf course in West Chicago, IL. The event is always well attended, and this year was no different, even though temperatures soared in the upper 90's throughout the afternoon!

Primus was honored to sponsor a hole at the outing and be part of such a great event put on by all. Represented by Jake McNamara and Joe Condon, we were able to meet with friends throughout the industry and make new ones along the way.

The Illinois State Wireless Association is a nonprofit professional association with the purpose of developing a local identity for the wireless industry within Illinois and local communities to voice a unified message toward local issues and responsibilities. In addition to providing general awareness of the wireless industry, educating customers and public officials about the wireless industry and the critical role it plays in Illinois, the Illinois State Wireless Association cultivates and fosters relationships among the members of the wireless industry and conducts fundraising for several charitable organizations.

A big thank you to everyone involved with putting this event together. We look forward to next year!





PRIMUS

4180 E Sand Ridge Rd.
Morris, IL 60450