

860 DSP Your Next Generation Instrument

The 860 DSP is the first high performance portable analyzer designed specifically for the digital age. More than just a signal level meter, the 860 DSP makes full use of digital signal processing techniques to perform both transmission and signal quality tests. Its software based design also gives the instrument the flexibility to expand over time without increasing size or weight. Options currently available for the 860 DSP include HFC signal analysis, spectrum analysis, return path testing and digital signal analysis.

The newest edition to the list of options is Terminal Mode. This option transforms the 860 DSP into a field data terminal, giving Trilithic and other suppliers an RF communications system for sharing various types of technical and nontechnical data with operators in the field. This option even provides the field technicians with the tools to transmit work orders or any other important text messaging. Operating with Terminal Mode, the 860 DSP allows field operations to be more efficient and field personnel more effective.

Trilithic makes Terminal Mode protocols available to all suppliers wishing to use the new capability and will be demonstrating communication abilities to AM Communication's Omni2000 Management System at this year's Western Show.

With all its current options, and now with new Terminal Mode, the 860 DSP is the only next generation instrument capable of meeting the challenges of the broadband industry today and tomorrow. ▼



Trilithic Teams Up With AM Communications

Trilithic has teamed up with AM Communications to develop the world's first integrated test, measurement and network Management System. This revolutionary capability is based on Trilithic's advanced 860 DSP field instrument in conjunction with AM Communications' Omni2000 HFC Network Management System.

Trilithic and AM have developed special instrument application firmware and network management software extensions that let the 860 DSP remotely log into AM's Omni2000 Network Management System, examine the status and performance of any monitored network element, receive individual, group or global alert messages, and engage in interactive text messaging with other enterprise management systems or other technical personnel.

This is made possible through the revolutionary capabilities of the 860 DSP. This multifunction instrument uses digital technology to perform a variety of measurement and communications functions in one light weight instrument. This next generation instrument contains a powerful computing platform, high resolution graphic displays and

software defined platforms that allow the instrument to become a data communications terminal. Operating in Terminal Mode, the 860 DSP becomes a "virtual field instrument;" an all-purpose field data terminal, which communicates through a built-in high speed RF modem with management systems and data sources of Trilithic and other suppliers. This type of integration has significant potential to empower the field workforce with unprecedented technical information, providing a mechanism to remotely log important measurements, and transmit work orders or other important messaging information.



How it Works

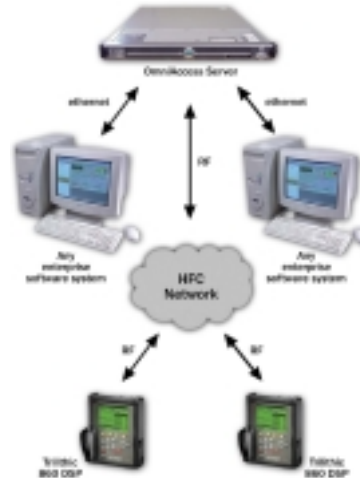
Trilithic's 860 DSP is programmed to emulate an FSK RF modem that can communicate with AM's Omni2000 network management control system. Running in terminal mode, the 860 DSP can be connected to any test point on the HFC network and the Omni2000 system instantly recognizes the instrument, initializes a communication session, downloads a top-level menu list and sends any pending messages for display on the 860's screen.

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Once the instrument is online with the Omni2000 system, the user can follow a series of on-screen menus to select either 'Alert', 'Messaging', or Network Status' modes. The user selected information is transmitted back to the Omni2000 software system, which then sends any corresponding sub-menus to the 860 DSP for display and further selections. The user is then able to navigate and select from a menu to retrieve information from the Omni2000 system.

Potential

Trilithic and AM Communications' partnership has shown that open equipment protocols and industry partnerships are the future of technology in this industry. It has also demonstrated that modern field instrumentation can be the channel for transporting vital diagnostic data to field technicians. This opens a door to the future of integrated data communications. ♥



EAS Division Releases New Low-Cost System

Trilithic's E.A.S. Division and their exclusive distributor TVC Communications have released a new low-cost EASy-PLUS™ Emergency Alert System for cable operators and dedicated headends that provide downstream video services to a base of less than 10,000 subscribers.

This new EASy-PLUS E.A.S. System was designed as a low-cost "two-carton system" that is easier to order, easier to install and yet retains the features employed in larger metropolitan cities. This allows every operator the opportunity to purchase an 'off-the-shelf' E.A.S. system with the scale-ability to manage any messaging format.

With TVC's 14 distribution facilities nationwide and a supporting staff of over 50 trained individuals and certified field engineers, Trilithic and TVC are positioned nationally to Provide face-to-face product demonstrations, price quotes, EAS product installation and training for cable systems requiring on-site information.

The Trilithic EASy-PLUS System is also compatible with H.I.T.S. and upgradeable to the Pegasus, Pioneer and Canal Plus formats. ♥



Trilithic's 9580 SST Compatible with BarcoNet's ROSA 3.0 Management System

BarcoNet announced that it has extended the ROSA management system with powerful Ingress monitoring Capabilities. Since ROSA 3.0 Build 3, the version released in April 2001, ROSA is capable of logging, monitoring and analyzing Ingress noise observed by the Trilithic 9580 SST Return Path Maintenance System. ROSA interfaces to the 9580 SST through the Trilithic NCM-4 Ethernet Interface.

The ROSA Ingress Monitoring Software provides innovative ways of analyzing long-term evolution of noise levels in the network and is capable of pinpointing the network branches with the worst noise levels. ♥

Trilithic's Terry Bush Nominated for SCTE Director-at-large

Trilithic is proud to announce it's very own Terry Bush has accepted nomination to run for Director-at-Large for the SCTE's 2002 Board. He states "I see the SCTE as an innovative organization, building upon it's solid history and outreach to inspire engineering excellence. It would be an honor to become part of a consortium that speaks to the merits of the future of engineering sciences."

The SCTE will be mailing ballots to eligible active members in January, Directors will take office at Cable-Tec Expo 2002 in June in San Antonio, Texas. ♥

New Catalog On-line

Just in time for the show, we have updated our website to include downloads from the new catalog. Also coming soon, new 860 DSP features, a Trilithic FAQ and much much more. For all the latest information on Trilithic products, go to www.trilithic.com. ♥

For more information or details on articles in this publication please feel free to contact us.

TRILINES

Trilithic, Inc
9710 Park Davis Drive
Indianapolis, IN 46235
Phone: (317) 895-3600
Toll Free: (800) 344-2412
Fax: (317) 895-3613
Web: www.trilithic.com
email: TriLines@trilithic.com

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