

Features

- Supports full MIL-STD-6016C message set
- Highly accurate navigation
- Modular architecture
- Ethernet host and control interface
- Designed to 100% TSDF
- Advanced design incorporating future mandated Link 16 enhancements
 - Frequency Remapping
 - Crypto Modernization
- Growth to multi-channel capability
- Supports enhanced throughput
- Embedded data link processing available
- Conduction cooled/sealed design
- Variable speed low noise fan

Features

- Size: 4.7 in. W x 7.4 in. H x 12.5 in. D
- Full SCA compliance
- Input power: 28VDC to MIL-STD-704F
- Power consumption < 200 watts
- RF power output 50 watts
- Type 1 embedded crypto
- Ethernet 100 BaseT interface
- Link 16 voice capable

BAE Systems
164 Totowa Road
Wayne, New Jersey 07474-0975 USA
Phone: (973) 633 6000
Fax: (973) 633 6167
www.baesystems.com
*For additional information on the SAFF and DLP, please contact:
Marina Filla, (973) 633-6254*

Link 16 small adaptable form factor terminal



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ELECTRONIC SOLUTIONS

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The small adaptable form factor terminal addresses the modern day challenge of providing battlefield situational awareness and assured interoperability to ground tactical vehicles, unmanned vehicles, and airborne platforms.

Description

Today, a fundamental shift has occurred in the nature of the conflicts our nation faces. Wars are being waged against unconventional enemies who are developing asymmetric capabilities that take advantage of new technologies – and our vulnerabilities. The U.S. can no longer presume unfettered access and freedom of maneuverability in the electromagnetic spectrum.

The SAFF Link 16 terminal utilizes the next-generation of technology integrated into a modular architecture specifically designed to meet the stringent size, weight, and power requirements of ground tactical vehicles, unmanned air vehicle and airborne platforms.

It brings the same tactical advantages of improved situational awareness, increased force effectiveness, and secure jam-resistant communications to tactical ground vehicles and low-flying aircraft that our warfighters have come to rely on over the last 20 years of Link 16 operations.

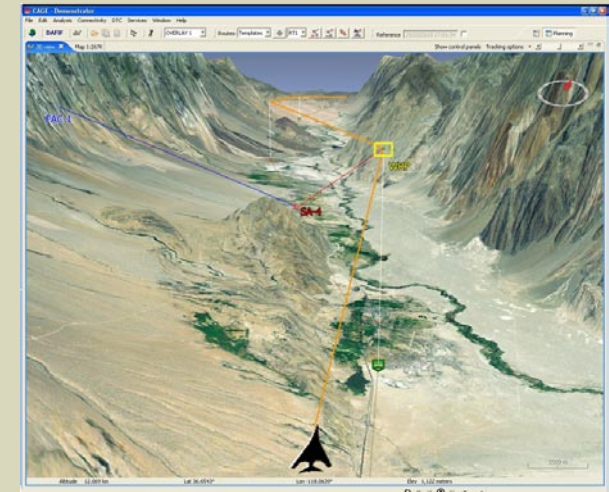
User benefits

Feature	Advantage	Benefit
Fully compliant to MIL-STD-6016C	Advances interoperability between coalition partners	Increases mission effectiveness through net-enabled collaboration
Enhanced throughput mode	Improves situational awareness between air and ground assets	Enables the prosecution of time sensitive targets
Variable speed low-noise fan	Reduced noise level in operator environment	Operator fatigue reduced through low ambient noise environment
Highly accurate navigation	Increased situational awareness	Increased force effectiveness and the ability to locate and engage time-sensitive targets
Positive identification	Improved survivability	Reduced blue-on-blue engagements and fratricide
Modular architecture	Improved logistics, technology insertion, and upgradeability	Able to take advantage of new technologies and mission capabilities at reduced cost
Advanced design incorporating future mandated Link 16 enhancements	Fully compliant for legacy and future Link 16 interoperability protecting the warfighter	Improved information assurance, reduced latency, and continued civil interoperability

Future enhancements

Feature	Advantage	Benefit
2 nd Module capable of hosting 2 nd SCA waveform or additional functionality	Ability to tailor functionality to meet platform mission requirements	Additional war-fighting capability and increased interoperability
Embedded DLP	No need to integrate a 2 nd LRU	Ease of integration and reduced integration costs
Dismounted ground operations SA picture distribution	Ability to disembark from ground vehicles in an untethered mode	Freedom to maneuver while maintaining SA visibility into the air and ground tactical picture
Embedded IDM functionality (MIL-STD-188-220, TACFIRE, AFAPD)	Supports the exchange of critical, time sensitive tactical targeting data permitting rapid, accurate target engagement	Enhanced interoperability and mission effectiveness among U.S. and coalition forces. Improves fire support mission synchronization, with an associated reduction in blue-on-blue engagements/friendly fire incidents

Data Link Processor (DLP) allows rapid integration and turn-key installation of Link 16 functionality



Integrated DLP benefits:

- Protection of the host from STANAG and Mil-Std message implementation changes (updates and changes in standards will be isolated from the host interface).
- Terminal initialization and control.
- Maintenance of battle-space Situational Awareness picture.
- Pre-processing of data within the DLP reduces host workload and additional data link interfaces (IDM, Link 11, AIS) via normalized interface.
- Life interoperability planning allows assessment of advanced message processing and user friendly HMI provides Command Control (C2) capability from remote terminal locations.
- Changes to data link standards, STANAGs etc., are easily incorporated and flowed through to the various platforms as required.



DLP