



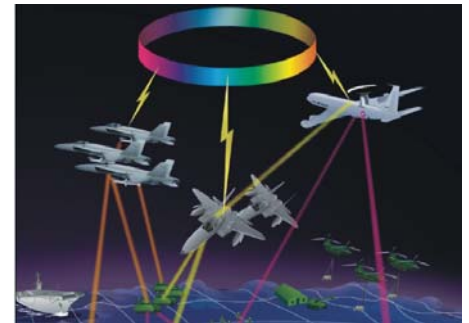
*Link 16 – a key enabler for
network centric warfare*

Link-16 tactical data link is the standard by which other systems are measured for airborne situational awareness. In fact, Link-16 has been credited by the U.S. Air Force as being a significant factor in saving lives in Afghanistan due to the increased situational awareness provided by the system.

Multifunctional Information Distribution Systems (MIDS) is a low-cost fighter terminal with flexible, open-architecture designs. Data Link Solutions - established by Rockwell Collins and BAE SYSTEMS in 1996 to pursue next-generation Link 16 markets – provides the expertise to bring these complementary technologies to Link 16 fighter applications.

The reliability of the MIDS/FDL is matched by its affordability and backed by our global technical support network that utilizes the resources of Rockwell Collins, BAE SYSTEMS and government facilities.

MIDS/FDL advantages include at-a-glance portrayal of targets, threats and friendly forces and an easy-to-learn relative position display. These features help warfighters meet today's demanding battlespace requirements. The dynamic Link-16 capability increases combat effectiveness and protects forces from friendly fire.



Features

Performance Characteristics

Pseudo random frequency hopping
51 frequencies – 969 to 1206 MHz I-band
Frequency hop rate – 13us (77,800 hops per second)
238 KBPS Data Rate/Expandable to 2 MBPS
Jam resistant and crypto secure
128 possible nets

Functional Capabilities

Position location, identification messages
Relative and geodetic navigation
Adaptable Host Interface Processing

Specifications

Full Link 16 interoperability
TADIL-J
IJMS

50 watt transmit power

Dual antenna transmit and receive

Full ATR form factor

Maximum weight of 55 lb

Input Power:
•115 VAC, 400Hz

MIL-STD-1553 host interfaces

Open architecture
•VME/RS-422 Buses
•SEM-E cards

Growth/spare allocation
•Enhanced throughput
•Video
•Voice

Terminal LRU:
13.5 Length
7.5 Width
7.2 Height
37.2 Weight

Remote Power Supply:
13.5 Length
2.25 Width
7.62 Height
14.3 Weight

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