Specification

		Standard
Processing Platform	**Power PC, Intel i.7, X86**	
Operating System	**Microsoft Windows**	Embedded
		XP
		7
	Green Hills Integrity	5.2.2 + 11.0.4
	Linux	Debian
		CentOS
Applications	**Forwarding**	STANAG 5616 Ed3 and Ed4
		ADatP-37
Link Processing (Message processing)	**Link 11**	STANAG 5511 Ed6
	Link 16	MIL-STD 6016C
		MIL-STD 6016E
		STANAG 5516 Ed 4
		STANAG 5516 Ed 6
	Link 22	STANAG 5522 Ed 4
	VMF Header	MIL-STD-2045-47001B
		MIL-STD-2045-47001D
	VMF	MIL-STD 6017
		MIL-STD 6017A
		MIL-STD 6017B
	AFAPD	A Series
		S Series
		X Series
	Bowman	ComBAT API
	NATO Friendly Forces Information (NFFI)	v1.3
	Cursor On Target (COT)	–
	ADatP-3	–
	Over The Horizon Targeting Gold (OTH-GOLD)	Operational Specification Rev D
	Keyhole Markup Language (KML)	OpenGIS KML Encoding Standard
	Automatic Identification System (AIS) messages	ITU-R M.1371-2
	Automatic Dependant Surveillance – Broadcast (ADS-B)	RTCA DO-260
	Dismounted Solider System	STANAG 4677
Drivers	**JREAP-C**	STANAG 5518 Ed1
		MIL-STD-3011 30 Sept 2002
	SIMPLE	STANAG 5602 Ed 3
	Data Distribution Service (DDS)	RTI 4.4
	High Level Architecture (HLA)	HLA 1.3
	Webservice	–
	NMEA 0183	over serial (for AIS receiver connection)
	Combat Net Radio	MIL-STD-188-220B
		MIL-STD-188-220D
		MIL-STD-188-220D Chg Note 1
	MIDS LVT	Platform D, G, R, J
	ATDS	MIL-STD-188-203-1A
	Small Tactical Terminal (STT)	Platform J
	TacNet Tactical Radio (TTR)	Platform J

Castleham Road, St Leonards-on-Sea
East Sussex, TN38 9NJ, United Kingdom
Tel: +44 (0)1424 853781 Fax: +44 (0)1424 798009
Email: info@gd-ms.uk
www.gd-ms.uk

GDUK3444 1/17

NetLink Data Link Processor

Tactical network multi-link processing for today and the future

Data links are a key component in meeting the vision for networked warfare in the Joint and Coalition battle space. Connectivity provides timely situation awareness aiding effective command and control to ensure correct, high tempo engagement.

General Dynamics is focused on connectivity through the provision of communications and data link systems, with over 15 years experience delivering into Air, Land and Naval assets

Applications include:

- Command and Control (C2)
- Maritime Patrol
- Ground based air defence
- Tactical reconnaissance and surveillance
- Joint and coalition operations

The NetLink DLP family offers:

- Operational proven maturity
- Fast, accurate, reliable message processing to ensure error free high temp operations
- Prove flexible interface for risk free mission system integration
- High degree of automation to support message standards evolution
- Complete life cycle support

GENERAL DYNAMICS
Mission Systems

www.gd-ms.uk

Connecting and Protecting

Extensive Tactical Networking Expertise

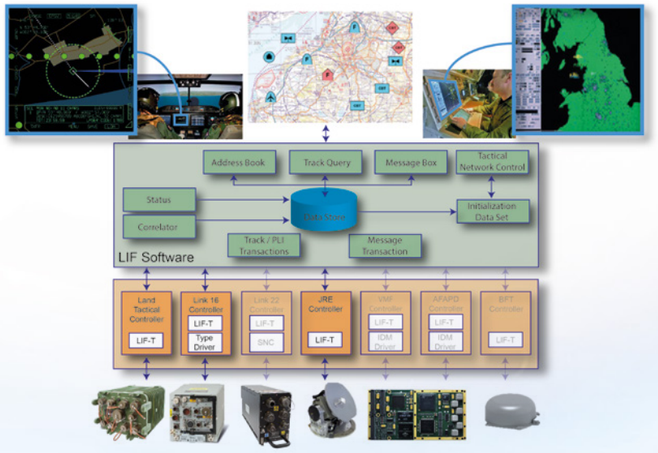
- NATO Tactical Data Links (Link 11, Link 16, Link 22)
- Air Land integration (AFAPD, VMF)
- Land Tactical (VMF, Bowman, IRIS)
- Blue Force Tracking systems (HeATS, GrATS)
- Maritime AIS (white shipping Automatic Identification System)
- NATO Friendly Force Information (NFFI)
- Non-NATO and national data link formats (SECOS, Link Y, 4677)
- Beyond line of sight (Joint Range Extension, OTH-G).

Market Leading Link and Platform Integration Technologies

- Open Standard Common Software Interfaces
- DDS, Web services, KML
- Link Independent Format (LIF)
- FACE and ASAAC avionics architecture compatible
- Services oriented architecture

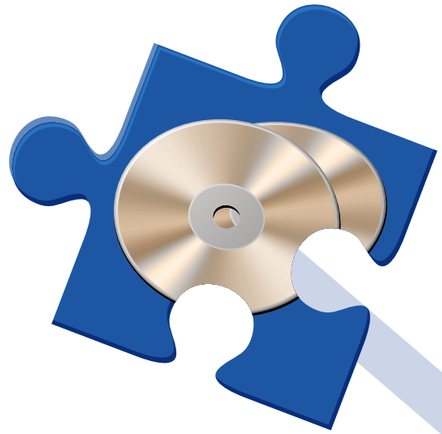
Proven Multi-Link and Gateway Capability

- Simultaneous multi-link operation
- Multi-standard/Multi-link processing
- Provides smart message forwarding and translation
- Across tactical and non-tactical links/bearers.



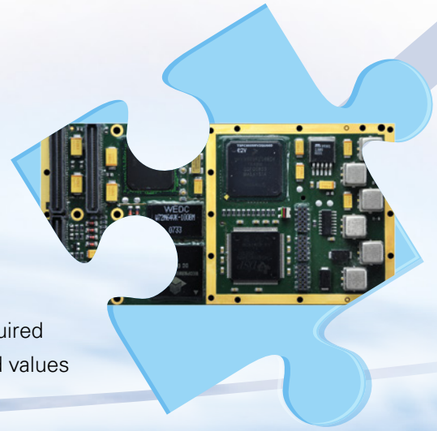
Automated Repeatable Testing

- Extensive script driven testing
- Automated build and execution daily as required
- Continuously growingcoverage of fields and values



Software only solution

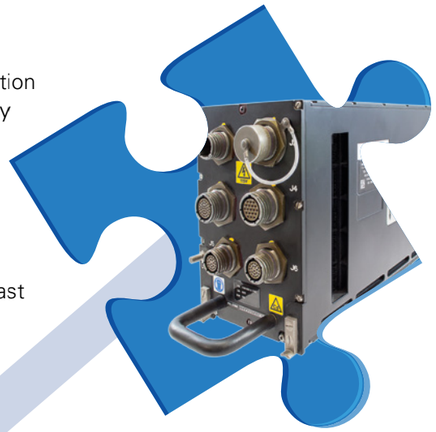
- Open architecture to enable all TDL managers to be inserted as required
- Full C2 processing
- Operating System (OS) supported:
  - Windows
  - Linux
  - Green Hills Integrity
  - VxWorks
- RTCA DO-178B Level D certified
- Multiple API for host integration:
  - Sockets
  - Web services
  - DDS
  - C/C++
- ASAAC / ECOA / FACE compliant
- Management of all Link 16 terminal types



NetLink Airborne Solutions

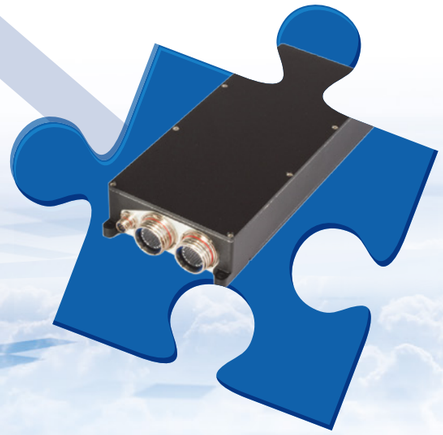
Dedicated 1/2 ATR Data Link Processor (DLP)

- Multi TDL support (non C2 node)
  - Link 16
  - AFAPD
  - VMF
- HMI generation including SoftMap digital map application for improved situation awareness
- Video switch for easy integration into an existing aircraft display system
  - Multiple Link 16 terminal support
  - MIDS LVT
  - URC-138
- Qualified for harsh airborne fast jet environment
- Growth path to full C2 node



Ultra low SWaP DLP

- Multi TDL support (C2 node)
  - Link 11
  - Link 16
  - Link 22
- VMF
- Multiple Link 16 terminal support
  - MIDS LVT
  - STT
  - TTR
  - JRE
- Qualified for harsh airborne fast jet environment
- Supports distributed computing architectures



Dedicated 3U or 6U module

- Open standards interface (VME and cPCI)
- RTCA DO-178B Level D certified
- Multi TDL C2 processing
  - Link 11
  - Link 16
  - Link 22
- Airborne qualified
- Option for AFAPD and VMF
- Terminal support
  - MIDS LVT
  - STT
  - TTR