



DLIP

DATA LINK INTERFACE PROCESSOR

- > **Monolink and Multilink operation**
- > **Link 11, Link 14, Link 16, LLAPI, etc.**
- > **National Data Links**
- > **Data forwarding**
- > **Embedded in host application or separate equipment**
- > **Multi-L16 terminals**
- > **Stand-alone capability**
- > **COTS, scalable, modular**

DATA LINK INTERFACE PROCESSOR

DLIP is a Tactical Data Link (TDL) server functionally inserted between TDL transmission equipment (such as L16 MIDS-LVT and/or L11 DTS) and your platform tactical application, thus providing a single and adjusted interface to your host system.

DLIP is basically multilink oriented (L11, L14, L16, L22, etc.). Its internal architecture permits either monolink or multilink operation, provisions being made for additional TDLs. It provides air, ground and naval platforms with smart and cost-effective TDL integration solutions.

DLIP is a software-based product family, built around a modular and scalable architecture. The solution to your platform requirements will be built around the DLIP multilink kernel and other COTS modules taken from the DLIP toolbox. Additional adjustments may be necessary to take into account the platform TDL implementation or to add specific functions (such as national TDL variants).

DLIP can be delivered in various hardware packaging: separate piece of equipment (COTS computer or ATR), hardware consisting of a VME card to be inserted in a rack, or no hardware at all (pure software inserted either in the tactical application software or in the host middleware). The selected packaging will clearly depend on the platform architectural constraints.

DLIP has been selected by several major programmes, such as NATO ACCS-LOC1 and French Army MARTHA Air Defense System (embedded software in both cases), or the Hellenic Air Force AEW&C aircraft and the French Air Force mobile ground C2 station (here COTS computers).

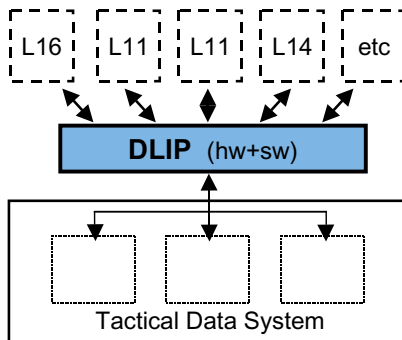
GENERAL CHARACTERISTICS

Tactical Data links	Link 16, Link 11, Link 14, LLAPI (Link 1, Link 11B, ATDL-1, etc.) (National Data Links) (future Link 22)
Data Link Capacity	TDL simultaneous connections
Track Capacity	Up to 4000 tracks
Training and Simulation	Simulated sessions capability

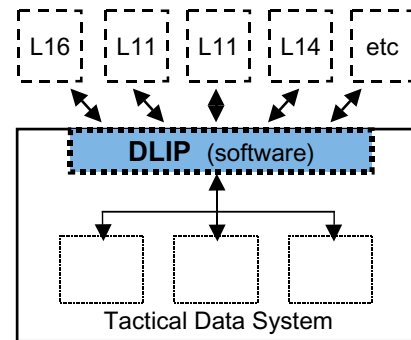
SEPARATE EQUIPMENT CHARACTERISTICS

Host Interfaces	Ethernet TCP/UDP/IP, MIL-STD-1553B, etc.								
Link interfaces	<table border="0"> <tr> <td>Link 16</td> <td>MIDS-LV Terminal, through Ethernet, or 1553B</td> </tr> <tr> <td>Link 11</td> <td>NTDS and ATDS, DTS control via RS 232/422</td> </tr> <tr> <td>Link 14</td> <td>RS 232 serial line</td> </tr> <tr> <td>LLAPI</td> <td>ISDN SO access, etc.</td> </tr> </table>	Link 16	MIDS-LV Terminal, through Ethernet, or 1553B	Link 11	NTDS and ATDS, DTS control via RS 232/422	Link 14	RS 232 serial line	LLAPI	ISDN SO access, etc.
Link 16	MIDS-LV Terminal, through Ethernet, or 1553B								
Link 11	NTDS and ATDS, DTS control via RS 232/422								
Link 14	RS 232 serial line								
LLAPI	ISDN SO access, etc.								
Architecture	Power PC CPU with Lynx OS or Unix								

DLIP as a separate equipment



Software DLIP



EXAMPLE AS A SEPARATE EQUIPMENT



Front face



Rear face

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