



On-board Electronic Engineering > Avionics

MIC Mids Interface Computer

*Integration of the **Link-16** communications data received by the **MIDS** (**Multifunctional Information Distribution System**) system in the aircraft's on-board computer. These data can be from tactical orders, to sensor information, status reports, autonomy, among others.*

Main advantages:

Tactical Data Link for the
Combat Cloud

Aircraft Integration into
Link 16 Tactical
Networks for Network-
Centric Operations

Link 16 message
processing (STANAG
5516), J-series
messages

MIDS terminal
integration with
aircraft mission
system

HW according to DO-
254 DAL C and SW
according to DO-178
DAL C

Combat proven on
aircraft such as A400M
and A330 MRTT

Technical characteristics:

- The MIDS Interface Computer (MIC) acts as a **tactical communications processor**, allowing a **MIDS-LVT** terminal to be linked with the rest of the aircraft's systems.
- Combat proven on combat tested on A400M and A330 MRTT
- Manages the exchange of tactical information transmitted/received by the MIDS and the rest of the aircraft systems,
- It generates the "**LINK-16**" messages and passes them to the MIDS-LVT so that it can send them via RF.
- It receives the "LINK-16" messages from the MIDS-LVT and sends them to the mission systems (Radar, EW, IFF, EO/IR, etc.) of the aircraft.
- Link 16 message processing (**STANAG 5516**), J-series messages.
- HW according to **RTCA/DO-254, DAL C**.
- SW according to **RTCA/DO-178, DAL C**.
- Information exchanged between MIDS-LVT and MIC is done through the **MIDS Bus**.
- It initializes the MIDS-LVT with **mission data and commands**, much of which is transmitted to the network, and also allows the pilot to edit this data.
- Enables aircraft integration into Link 16 tactical networks for **Network-Centric Operations**.



Headquarters:

Calle Marie Curie 19, 4ª planta
28521 Rivas-Vaciamadrid (Madrid), Spain
Telephone: +34 916 617 161 Fax: +34 916 619 840

Factory:

Calle Fudre, 18
13300 Valdepeñas (Ciudad Real), Spain
Telephone: +34 926 347 830 Fax: +34 926 312 896

grupooesia.com

tecnobit.es

producto@oesia.com