



 **AERONAUTICS > Avionics**

MIC MIDS Interface Computer

*Integration of the Link-16 data received by the MIDS system
(Multifunctional Information Distribution System) in the aircraft's avionics
and mission systems.*

Main advantages:

Tactical Data Link for the
Combat Cloud

Aircraft integration in
Link 16 tactical networks
for Network Centric
Operations

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

Integration of MIDS
Link 16 with avionics
and mission systems

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

Combat proven on
military transport
aircraft such as A400M
and tanker aircraft
such as A330 MRTT

Technical features:

- The MIDS Interface Computer (MIC) acts as a tactical communications processor allowing a MIDS terminal to be linked with the rest of the aircraft systems.
- Combat proven 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 messages processing (STANAG 5516), J-series messages.
- HW according to RTCA / DO-254, DAL C.
- SW conforming to RTCA / DO-178, DAL C.
- Information exchanged between MIDS and MIC is done through the MIDS Bus.
- It initializes the MIDS with mission data, and also allows the pilot to edit that data.
- Allows aircraft integration in Link 16 tactical networks for Network Centric Operations



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