

GroundLink® Data Link

ACARS over IP in all flight phases



At the core of Teledyne's Data Automation solutions, the GroundLink® Comm+ system provides airlines with a data infrastructure backbone that supports numerous applications, seamlessly connecting aircraft equipment with back office systems.

The newest solution enabled by the GroundLink system is GroundLink® Data Link. This application is designed to provide the ACARS system (CMU, CMF or ATSU) with cellular connectivity via the GroundLink Comm+ unit to send and receive AOC and AAC messages when the aircraft is on the ground. In-flight ACARS over IP is also available for aircraft equipped with broadband.

Key Benefits:

- Inexpensive alternative solution to costly SATCOM and VHF data services
- No changes to ACARS avionics hardware
- Enhanced ACARS ground connectivity
- Potential to capture 40% of traffic for ground messaging

Key Features:

- Existing, terrestrial ground mobile data 2G/3G/4G infrastructure available at all destinations
- Improved performance for ACARS AOC traffic
- Connect to existing CMU or ATSU by simulating existing SATCOM or HFDL interfaces
- Establish link to mobile data ground service when the aircraft is on ground (SIM cards in GroundLink Comm+/WQAR)
- Link availability displayed to CMU/ATSU as if it were a SATCOM or HFDL link
- Avionics media priority scheme in CMU/ATSU decides when GroundLink Comm+ link is used
- In-aircraft antenna (on LRU in avionics compartment)