

# GroundLink® Data Link

## Onboard ACARS System



CMU/ATSU/AIMS



## GroundLink® Comm+ System



## ACARS Message Center



Server



## ACARS over IP in all Flight Phases

At the core of Teledyne's Data Connectivity 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, ATSU, or AIMS) 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:

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