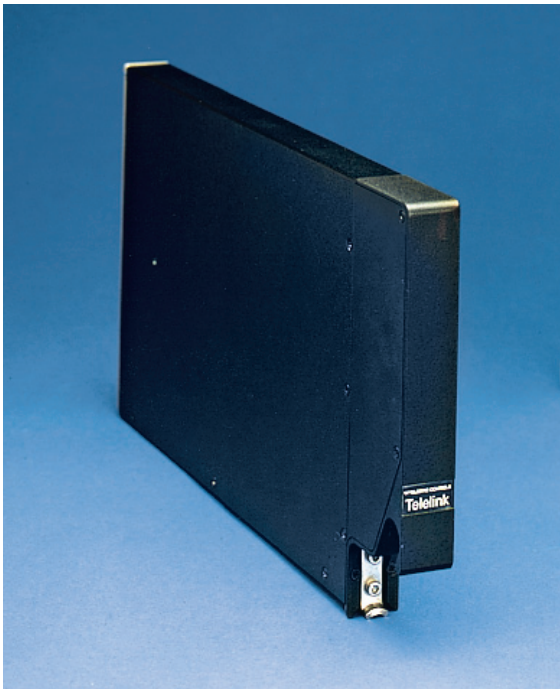# TELE LINK®   DATALINK SYSTEM

KEY FEATURES

■ **Modular State-Of-The-Art Design**

■ **Open Architecture-Multiple Service Providers, 32 Bit Processor**

■ **User Configurable**

■ **Multiple Communications Media**

■ **Versatile Interface Options**

■ **ADS/FANS Capabilities**

■ **Lightweight**

■ **Flexible Service Options**

■ **Fully Integrated With Multiple FMS Systems**

TELELINK TL-608

TeleLink®, is a datalink system for digital messaging between aircraft and ground networks.

Teledyne Controls' TeleLink meets the unique communications needs of the corporate or regional airline pilot by providing a variety of features and versatile connectivity options in a small, low-cost, lightweight package.

The TeleLink datalink system exceeds current datalink requirements providing VHF ACARS, SATCOM & Airborne phone links. TeleLink has been designed to comply with ADS (Automatic Dependent Surveillance) functions of the communications, Navigation and Surveillance/Air Traffic Management (CNS/ATM) programs of the Future Air Navigation System (FANS).

Teledyne Controls pioneered ACARS for the commercial aircraft industry. Now, operators of business or commuter aircraft can realize the benefits of digital datalink and CNS/ATM with TeleLink.

TeleLink TL-608 digital data communications controller applies years of ACARS experience to the most up-to-date hardware technology available. This combination means that a whole new group of aircraft operators can now realize the benefits of ACARS at an affordable price. Benefits such as two-way messaging, predeparture clearances, digital ATIS, flight planning and following, textual and graphical weather, and more.

Although derived from ACARS, the TL-608 is designed to take advantage of emerging datalink technologies. Modular hardware and software design creates a data communication system which is versatile, expandable, and can be tailored to individual needs. Open architecture gives the operator a choice of service providers and communications media.

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TELEDYNE CONTROLS
A Teledyne Technologies Company

TELELINK® FEATURES

OPEN ARCHITECTURE
- Optional Add-In Interface Application Cards
- 32 Bit Processor
- Modular Hardware and Software Design

INPUTS/OUTPUTS:
- ARINC 429 receiver/transmitters
- Discretes
- RS-232/422 receiver/transmitters
- VHF Modem
- Telephone Modem

INTERFACE FOR:
- FMS
- CDU
- Printer
- Dataloader
- Maintenance Terminal
- Laptop PC
- ACMS

MULTIPLE COMMUNICATIONS MEDIA
- VHF Airborne
- Airborne Telephone
- SATCOM

GROUND SERVICES PROVIDERS
- Universal Weather
- ARINC
- SITA
- AVICOM
- GDC

DIMENSIONS
- 1 MCU
- 1.00"W x 7.64"H x 15.23"D

WEIGHT
- Maximum 5 pounds

POWER REQUIREMENTS
- Nominal 28 VDC (18-23 VDC range)
- 5 Watts Typical
- 10 Watts Maximum

ENVIRONMENTAL
- DO-160C Qualified

CONFIGURATION MODULE
- Programmable module for aircraft installation and operational configuration information.

TELELINK® SYSTEM EXAMPLE

The true power of the TeleLink TL-608 lies in its broad scope and flexibility. TL-608 hardware utilizes all functions of advanced components and technology to provide the processing, memory and I/O needed to meet Datalink requirements of the future in a small, lightweight LRU.

TeleLink units are designed into an ARINC 600 1-MCU package with a type T hold down hook. There are 120 signal lines available that are capable of handling ARINC 429, RS422, RS232 or discrete I/O signals as defined for the specific installation. Index keying on the rear connector is both installation and revision specific.

TELELINK INTERFACE DIAGRAM EXAMPLE

SATCOM

CDU #1

CDU #2

CDU #3

FMS #1

TELELINK

FMS #2

FMS #3

MAGNASTAR AIRBORNE TELEPHONE

VHF RADIO

Cockpit printer

DATA AQUISITION UNIT