

ARINC 429

INTEGRATED SOLUTIONS

MAG 260 : ARINC 429 Acquisition System

MAG 260 system acquires, analyzes and simulates ARINC 429 channels. It meets every test engineer's requirements : configuration, acquisition, visualization and real time processing, replay and post processing. The system is based on the software MAGALI it gives the user all its functionalities, working in the same environment. With its modular architecture, this dynamic solution adapts quickly every new requirement.

Main features

- Complete solution
- Flexible
- Upgradable
- Acquisition
- Simulation
- Multi-sources
- Standalone or distributed
- On network (NDA)

Functions

- Transmission or reception (configurable per channel)
- Low speed (12.5 kHz) or fast (100 kHz) channel

Performances

- ARINC 429 format
- Acquisition with storage
- 24 simultaneous graphic displays
- More than 100 visualization objects per display



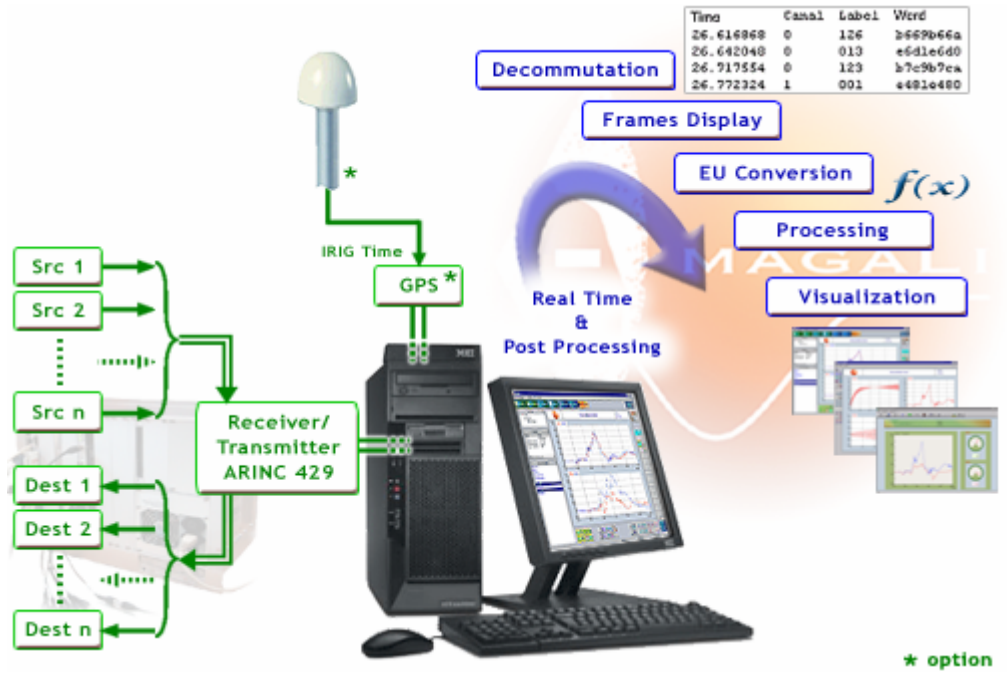
Key points of the MAG 260 solution

- Data acquisition and storage onto disk issued from ARINC 429 channels
- Parameter decommutation
- ARINC 429 words transmission
- Real time visualization on customized graphic displays
- Analysis of ARINC 429 words in real time with a browser
- Real time processing, calculation, alarms, ...
- Post processing visualization, graphic analysis, test report
- Post processing analysis, mathematics, frequential, statistic analysis
- Test organisation with **MAGALI** test manager
- Test configuration via tree structure input masks.

ARINC 429

MAG 260 : ARINC 429 Acquisition System

Description



- Solution is built from a desktop or industrial computer; the software MAGALI and ARINC 429 interface cards
- With **MAGALI** real time and post processing technology, it is possible to display and analyse ARINC 429 words and parameters in raw or engineering values
- **MAGALI** includes adapted graphic objects as well as many processing functions.

Workstation

- PC : Laptop, Desktop, ...
- Industrial PCI rack
- PCI rack
- VME chassis
- UNIX Station
- PC Pocket

Operating system

- Windows NT, 2000, XP
- LINUX
- UNIX
- VxWorks

Related services

- On site installation
- Validation
- Training
- Maintenance
- Specific add-ons

EURILOGIC Magali
Route d'Elne
66200 MONTECOT - FRANCE
Tel. (33) 04 68 37 36 35
Fax (33) 04 68 37 36 34
E-mail : <mailto:info@htsys.com>
Internet : <http://www.magali.com>

ARINC 429 Interface Card

Cards

- Channels 8 or 16 per card
- Direction Transmission or reception
- Speed 12.5 or 100 kHz
- Datation IRIG time input (option)

Format

- Word 32 bits
- Interword gap 4 bits
- Definition Label (8 bits)
Data (19 bits) with or without SDI (2 bits)
SSM (2 bits)
Parity (odd - 1 bit)

The know described in this document is presented for information. EURILOGIC won't be liable for any misleading information included in the document. Copyrights 2004 -EURILOGIC- All rights reserved.