

HYBRID MODULES

Versatile Interface Modules
for MDR, GMDR and MDR-GT



Heim



FLIGHT TEST INSTRUMENTATION

The **highly flexible modular MDR, GMDR and MDR-GT systems are versatile, field-proven and future-proof solutions for acquisition, recording, dissemination and replay** of airborne and ground station FTI data. Thanks to their wide range of modules, the systems will adapt **from the lightest to the most extensive daily test requirements.**

In a physical space-constraint environment, the optimization of number and type of channels in an FTI system chassis becomes imperative. The innovative hybrid module concept allows **combining up to 4 different data types in one board.** A hybrid module consists of a generic module frame and baseline card carrying up to 4 signal boards (daughter boards). Each of these signal boards can be an interface for a dedicated data type. A vast range of combinations of channel count and data types is reflected in an **extensive list of standard interfaces to choose from.** Also, dedicated daughter configurations can be produced, ensuring a maximum flexibility for meeting your high-profile FTI requirements.

Next Gen.



Next Gen
Flight Test
Instrumentation



Certification
Tests

IDEAL SOLUTION FOR LIMITED PHYSICAL SPACE

Best ratio of price per channel count and data type

CLOSED-LOOP SYSTEM ANALYSIS CAPABILITY

Record and Play capabilities in one module

LIVE DATA MONITORING

Through E-to-E availability

ADDITIONAL DATA CHANNELS

For signal processing, filtering capability

FLIGHT TEST INSTRUMENTATION HYBRID MODULES

> SIGNAL BOARD TYPES

ARINC 429

Discrete

Ethernet

PCM

Serial

MIL-STD-1553

Telemetry Downlink

Voice

FireWire

Synchronous Ethernet

Custom-built on request

> MODULES (EXAMPLES)

MDUAS-BTBB-BBBB

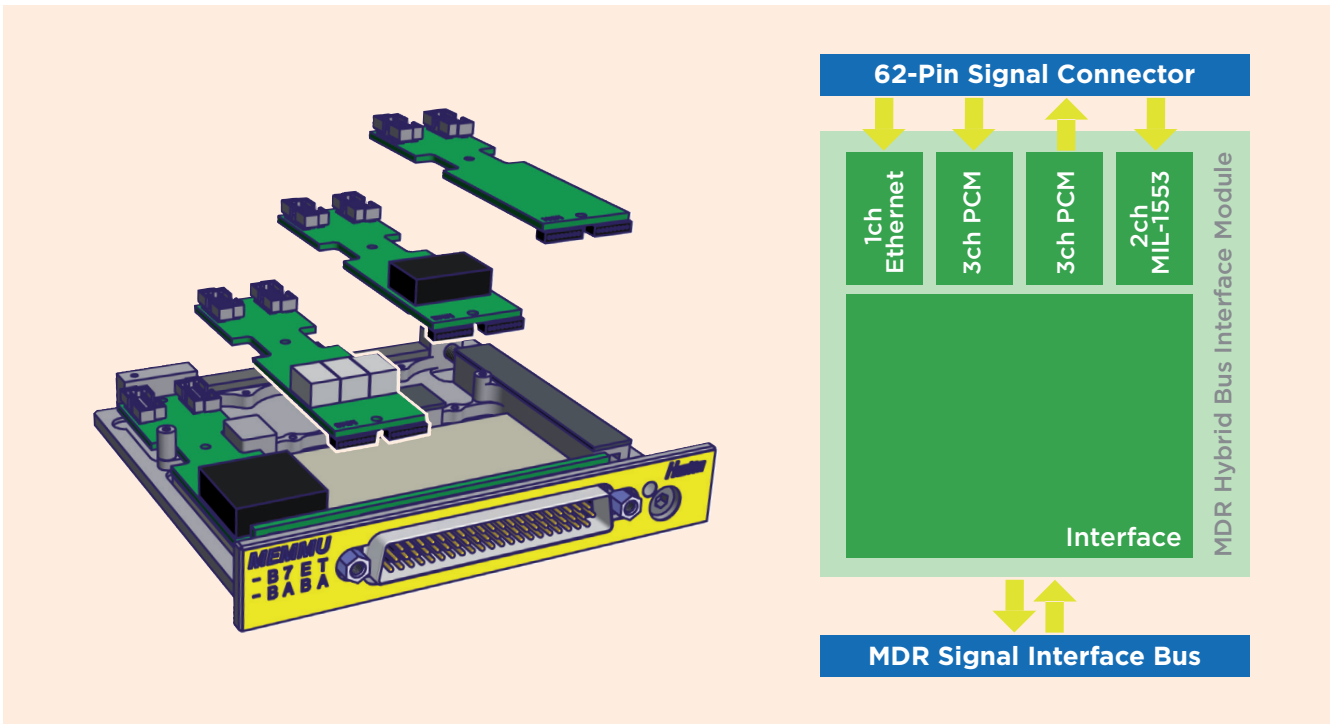
1 Discrete input (6 discrete input signals)
2 MIL-STD-1553 inputs
7 ARINC 429 inputs
6 Serial inputs

MMMMM-77PP-AABB

6 PCM inputs
6 PCM outputs

MUAEE-TBBB-ABAA

4 MIL-STD-1553 data channels on 2 Physical inputs
7 ARINC 429 data channels on 7 Physical inputs
4 Ethernet data channels on 2 Physical inputs



GLOBAL SALES

5, Avenue des Andes - CS 90101 - 91978 Courtaboeuf Cedex - FRANCE - Tel.: +33 1 69 82 78 00 - Email: sales.sdsy@safrangroup.com

USA

3005 Business Park Dr - Norcross, GA 30071 - USA - Tel.: +1 770 753 4017 - Email: sales@SafranDataSystemsUS.com