



AIM-USA's FOMIS & FOL429

Fibre Optic MIL-STD-1553 & ARINC429 Bus Extension Systems

AIM-USA is proud to introduce the new FOMIS and FOL429 fibre optic bus extension systems. The new FOMIS (Fibre Optic MILbus Stub Extension) product provides a highly modular and scalable system capable of extending MIL-STD-1553 bus stubs up to 500 meters. FOMIS systems can also be combined with the FOL429 modules to provide up to 500 meter extensions of ARINC429 data links.

FOMIS and FOL429 are designed to support test applications, such as vehicle launch sites, anechoic chambers, and engine testing, that require an extended distance between the Unit Under Test (UUT) and the remote test equipment.

The FOMIS system components are a FOMIS-F (or FOL429-F) Front-End module and FOMIS-L (or FOL429-L) remote/lab module. The Front-End and Lab modules are interconnected via a COTS fibre optic link (62.5/125uM multimode fibre).

The FOMIS-F module chassis is built with a special EMC resistant housing, allowing operation in electromagnetic fields up to 200V/m. Options supporting extended temperature and standalone (Battery Powered) operation are available. The FOMIS-L is housed in a 19" rack mountable chassis. System operation is completely 'Plug & Play', no software or configuration is required.



FOMIS-F

Simulator (bi-directional) and Monitor (uni-directional) systems are supported. Simulator systems support full BC, RT, and BM remote operations while Monitor systems support only remote BM operations.

The FOMIS-F front end modules are capable of supporting a single dual redundant MIL-STD-1553 bus interface. Up to 6 FOMIS-F modules can be combined into a single unit with a single power supply module. Each FOL429 module is capable of supporting up to 16 Transmit and 16 Receive channels.



FOMIS-L

For more information contact:

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