

Mimas Gigabit Ethernet Adapter

Mimas, Gigabit Ethernet Adapter module together with the NI FlexRIO board enables the possibility to generate and analyze low level High Speed Ethernet data traffic in realtime. The system supports channel simulation and fault injection features.

Features:

- ▶ 2x PHY Ethernet circuits for 10/100 Mbit or 1Gbit (RJ45 with integrated magnetics)
- ▶ EEPROM for FlexRIO identification
- ▶ Glue logic (filters, drivers etc.)

Included software:

- ▶ Software for the NI FlexRIO FPGA to handle:
 - ▶ MAC
 - ▶ Ethernet frames and
 - ▶ Fault injection application.
- ▶ LabVIEW Software GUI for the system

Application Areas

- ▶ Customized IT based protocol
- ▶ Channel simulations
- ▶ Fault injection
- ▶ Customized MAC address adaptations



Prevas Mimas connected to NI FlexRIO module

For more information visit www.prevas.com/NI_related_modules or contact us by mail tsd@prevas.se