

# PREVAS GIGABIT ETHERNET ADAPTER

Prevas Gigabit Ethernet Adapter, Mimas, enables the possibility to generate and analyse low level Ethernet data traffic in real time. Together with the FlexRIO board, provided by National Instruments, it is the ideal platform for developing specialized Ethernet based applications.

## APPLICATION AREAS\*

- Ethernet Traffic generation and analysis
- Ethernet based communication testing
- Custom Ethernet based application
- Link simulations (delay, jitter)
- Fault injection (dropped frames, bit errors, protocol violations)

## FEATURES:

- Two Gigabit Ethernet RJ45 ports
- 10/100/1000BASE-T IEEE 802.3 compliant
- Full access to MDIO/RGMII/GMII signals
- Custom protocol processing in FPGA
- FPGA IP cores for MAC, UDP etc. available\*\*

\* Mimas is delivered with a basic SW package (IO module CLIP, Labview example code) to help costumers get started faster with developing their applications.

We also provide additional software services in both VHDL and LabVIEW to support your application. Please contact Prevas sales for further information.

\*\*Cores are available only as extra options.



*Prevas' Mimas connected to NI's FlexRIO module*

**For more information visit:**

**[http://www.prevas.se/ethernet\\_simulator.html](http://www.prevas.se/ethernet_simulator.html) or  
contact us by mail [sales.ni.modules@prevas.com](mailto:sales.ni.modules@prevas.com)**

*The information provided in this document is preliminary,  
and is subject to change by Prevas without prior notice.*

**Prevas**  
*Innovation for Growth*

With leading expertise in embedded systems and industrial IT, Prevas contributes by providing innovative solutions that create growth. Prevas was founded in 1985 and is the main supplier and development partner to leading companies in industries such as life science, telecom, automotive, defense, energy and engineering. Offices are located in Sweden, Denmark, Norway and India. The company has just over 600 employees. Prevas has been listed on the NASDAQ OMX Nordic exchange in Stockholm since 1998.