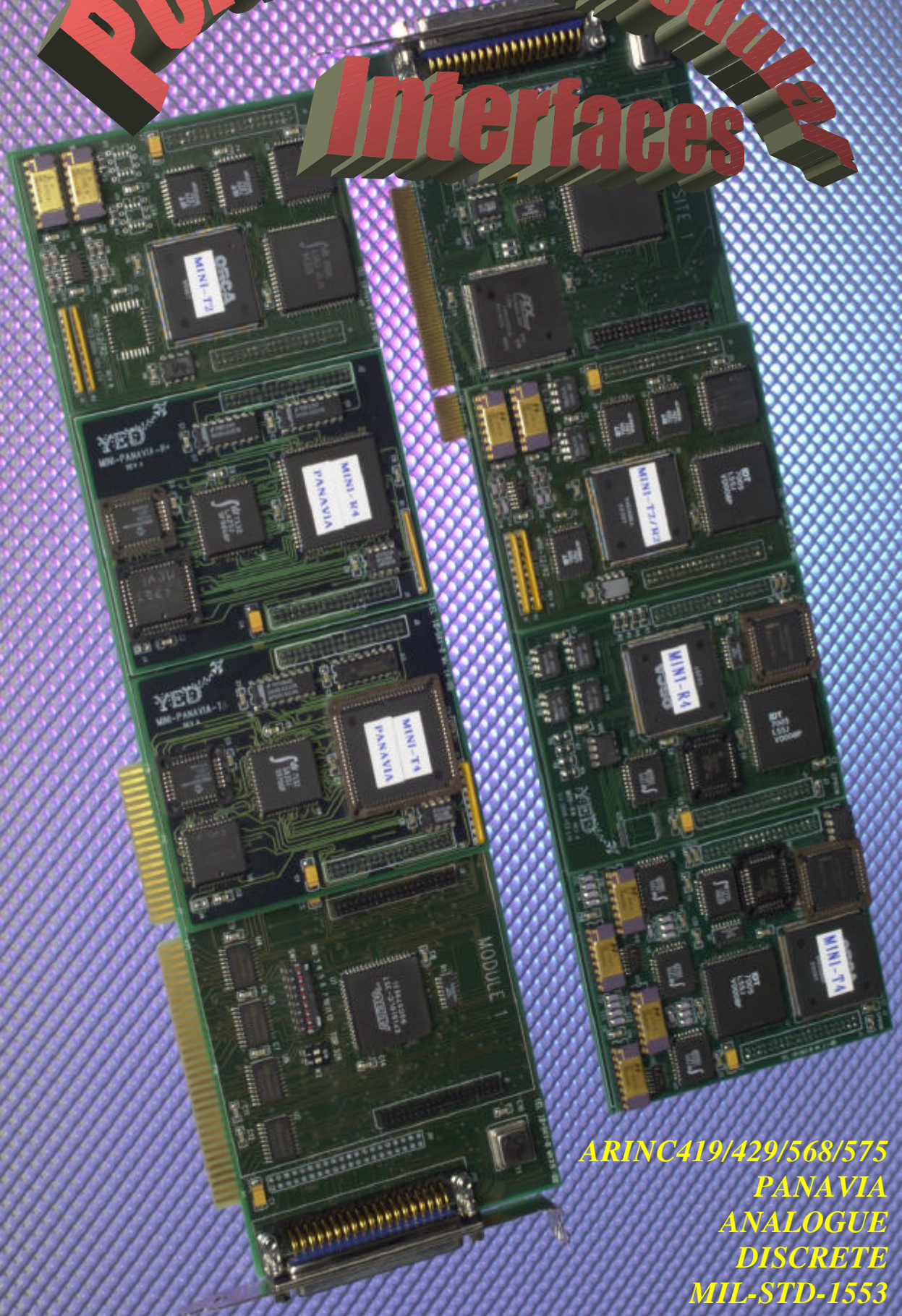


PCI & PC ISA Modules Interfaces



*ARINC419/429/568/575
PANAVIA
ANALOGUE
DISCRETE
MIL-STD-1553
Custom Modules to order...*

PCI-MAXI – Modular Re-configurable Mother Board (PCI)

The PCI-MAXI (Multi-Adaptor-eXtender-Interface) provides by far the most flexible platform for today's demanding test and OEM applications. The card is a PCI "Plug-and-Play" Mother board that acts as a host for a range of serial databus interfaces. The card features a common bus clock for time tag registration of data and provides single generation of PCI interrupts from the various interface modules that can be fitted to the card.

PC-MAXI – Modular Re-configurable Mother Board (ISA)

A PC ISA version of our PCI-MAXI cards for customers who prefer to use this bus interface. Supports the usual IRQ numbers (3,4,5,6,7,10,11 and 12) for the PC ISA AT buses. The card is configured as a 16-bit ISA interface and occupies the D0000 to DFFFFH PC Memory page space.

Interface Configurations and Functional Characteristics

The PCI-MAXI card is a full length PCI version 2.1 compliant interface designed to accept up to four standard YED Mini-Module Interfaces. Support for ARINC419/429/561/568/575, PANAVIA, 8-channel A/D, Discrete data, etc., are currently available. The on card Interrupt Control Logic, which in turn is responsible for generating the PCI (or ISA) interrupt, handles interrupts generated by each Mini-Module interface. An Interrupt Status Register identifies the interrupting interface module.

Mixed databus solutions are now possible on a single card.

One of the advantages of using this type of card is that many different databus configurations can be hosted on one main board thus saving cost, but also providing the customer with flexibility either at the initial procurement stage or later as an upgrade option. In addition to this, we also offer a custom design service for those special customers with unique requirements.

Product Specification

PCI-MAXI

- ➔ Full length "Plug-and-Play" PCI version 2.1 compliant interface
- ➔ 32 bit Device driver for Windows 95/98/NT4/2000/ME and later...
- ➔ On board bus clock generation, PCI Interrupt Control Logic
- ➔ Single "D" connector mounted PC Bracket
- ➔ Auxiliary "D" connector mounted on separate bracket (optional)
- ➔ Accepts up to four YED Mini-Module Interfaces.
- ➔ Interfaces include ARINC419/429/561/568/575, PANAVIA, NMEA0183, RS232, RS422, Analogue, Discrete, - more in development.

Product Specification

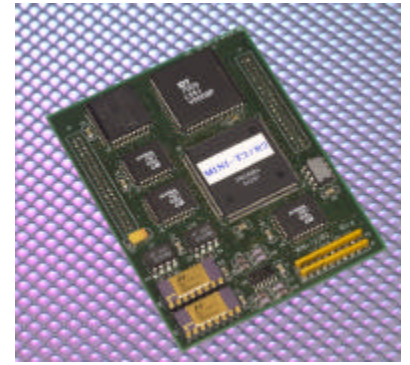
PC-MAXI(ISA)

- ➔ 16 bit Full length PC ISA interface
- ➔ PC Memory mapped addressing.

Standard Interface Modules (Mini Modules):

MINI-429/T2/R2 (ARINC429/575 - 2Tx/2Rx):

The MINI-429/T2/R2 ARINC 429 Interface comprises of two independent transmitter channels that act as Bus Traffic Simulators and two independent receiver channels to provide for advanced Monitor and Analyzer functions. The receiver section features individual Label and SDI filtering capability. The functions on the four channels are available concurrently at full performance level and are not multiplexed. In addition to this the card contains a microprocessor, a time tag register, Opto-coupled inputs, Automatic Rx bit-rate reception, Data Acquisition FIFO's, and Dual Port RAM.



MINI-429/T4 (ARINC429/575 - 4Tx):

The MINI-429/T4 ARINC 429 Interface comprises of four independent transmitter channels (non-multiplexed) that act as Bus Traffic Simulators. The functions on the four channels are available concurrently at full performance level. The card contains a microprocessor, Dual Port RAM and ARINC429 line drivers. Programmable Rates, individual Inter-Word-Gaps (IWG), Single shot and continuous modes are available.

MINI-429/R4 (ARINC429/575 - 4Rx):

The MINI-429/R4 ARINC 429 Interface comprises of four independent receiver channels that provide for advanced Monitor and Analyzer functions. The receivers feature individual Label and SDI filtering capability. The functions on the four channels are available concurrently at full performance level and are not multiplexed. In addition to this the card also contains, a microprocessor, a time tag register, Opto-coupled inputs, Automatic Rx bit-rate reception, Data Acquisition FIFO's, and Dual Port RAM.



MINI-PANAVIA/T4 (PANA VIA Serial data):

The MINI-PANAVIA/T3 PANA VIA Interface comprises of three independent transmitter channels that act as Bus Traffic Simulators. The functions on the three channels are available concurrently at full performance level. The card contains a microprocessor, Dual Port RAM and line drivers. The Module has an optional non-standard mode where only selected TAG's are transmitted.

MINI-PANAVIA/R4 (PANAVIA Serial data):

The MINI-PANAVIA/R4 PANAVIA Interface comprises of four independent receiver channels that provide advanced Monitor and Analyzer functions. The functions on the four channels are available concurrently at full performance level. In addition to this the card also contains, a microprocessor, line receivers and Dual Port RAM. The card will filter any of the 32 TAG combinations. Status information on the presence of the PANAVIA clock is also available.



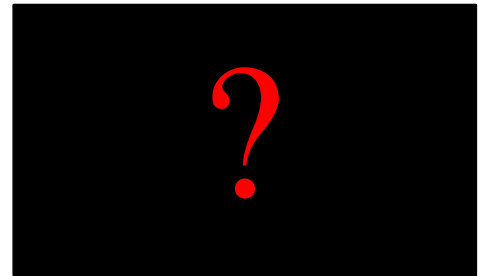
MINI-ANALOGUE:

An eight channel 12-bit A/D Module which can sample all eight channels simultaneously and time tag the data to 1mS resolution. The sample can be triggered from an internally programmable timer or from an external trigger source. Input ranges can be individually set for 0-5VDC, 5-10VDC and 0-24VDC on a channel-by-channel basis. The module contains a

microprocessor, 8k FIFO, dual port RAM, and two 4-channel A/D Converters.

CUSTOM MODULES:

We are always eager to provide a custom design service for those customers with that unique requirement!!! We are adding new interfaces all the time so if you can't see what you're looking for, drop us a line and we will provide you with up to date information.



SOFTWARE:

32-bit Windows Device Drivers, 'C' source code driver libraries and examples are supplied with each Mini Module.

For Windows based analyzer software, please call for information.

We also supply Hand Held Analyzers, Data Protocol Converters, and PC/104.

Local Distributor:



e-mail: info@yed.com
Web: <http://www.yed.com>

Registered Office:
YED (USA)