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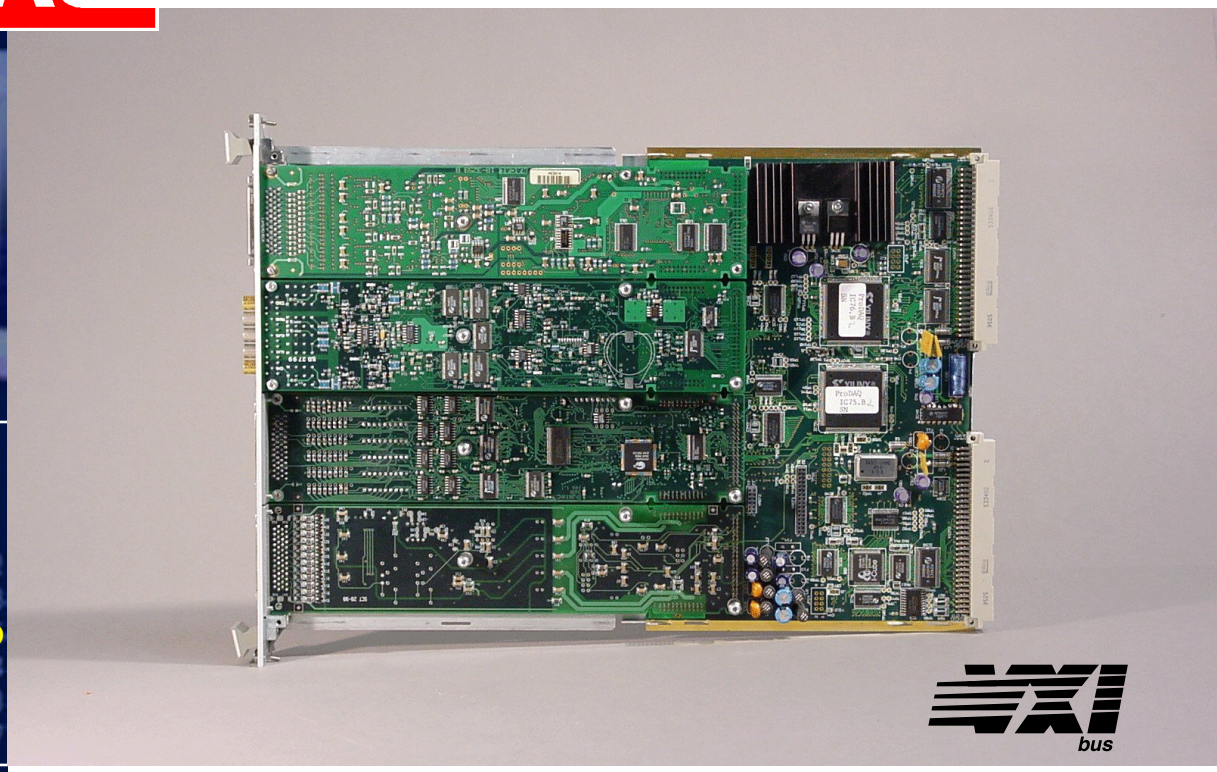
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Find the *Bustec 3510-BB* at our website: ***Click HERE***

ProDAQ

ADVANCED VXI DATA ACQUISITION SYSTEMS



3120

STANDARD MOTHERBOARD MODULE

- Up to 8 different Function Cards in a single VXIbus Slot
- Large Range of Function Cards
- High-Density: Up to 384 Channels per VXIbus Slot
- Data Transfer Rate up to 16 MB/s
- Optional Calibration Reference Source
- Substantial lower System Cost

POWER

General

The ProDAQ Flexible Modular Data Acquisition System is designed to reduce the cost of developing and building Data Acquisition and ATE Systems.

ProDAQs unique, high-density, modular system concept will significantly reduce the size and cost of VXIbus based Data Acquisition and ATE Systems by offering savings in the number of VXI modules and VXI chassis needed within a system.

The ProDAQ 3120 Motherboard accepts up to eight different function cards in a single slot module to provide any function or combination of functions required for a specific application. If needed, a large number of single functions can be fitted within a single VXI slot. For example:

Up to 384 Digital I/O channels
or: Up to 192 ADC channels
or: Up to 128 DAC channels

Alternatively up to eight different functions can be combined.

The function cards can be factory-fitted within the module to a user-defined configuration or can be field-fitted by the user to change, enhance or upgrade the module or system.

Data Transfer

The ProDAQ 3120 Motherboard is a register-based VXIbus device supporting single- and block-transfer of 16- and 32-bit words. It can be configured for both the A24 or A32 address space.

Triggering

A programmable trigger matrix allows the function card trigger lines to be routed to and from the VXIbus ECL/TTL trigger lines and the on-board VXIbus interrupter providing extremly flexible trigger and interrupt capabilities.

Calibration Reference

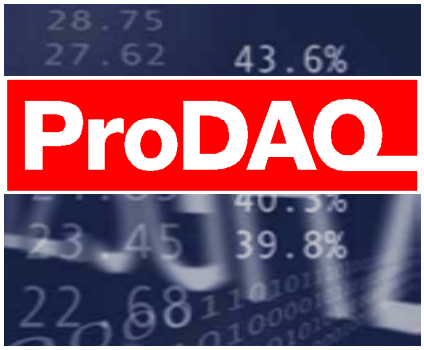
An optional programmable voltage reference can be added to the ProDAQ 3120 Motherboard to provide additional selftest capabilities and allow the calibration of function cards ”on-the-fly”.

Software

The supplied software drivers are designed according to the VXI*plug&play* standard and can be used with all current popular software environments. They automatically detect and initialize all fitted function cards, removing any possibility of configuration errors.

bustec

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Max. Number of Function Cards	8
VXI Device Type	Register based: A16/A24 or A16/A32, selectable
Max. Data Transfer Rate	4 MB/s 32-bit single-word transfer 16 MB/s 32-bit block transfer
Interrupter Capability	VXIbus IRQ1-IRQ7, software selectable
Trigger Interface	
Trigger Lines	VXIbus TTL0-TTL7, ECL0-ECL1
Minimum Pulse Width	100ns
Current Consumption	Voltage (V) Current (mA) +24 10 -24 10 +5 1000 -5.2 40 -2 30 Note: Motherboard only. Actual requirement depends on number and type of function card(s) fitted.
Dimensions	VXIbus Single-Slot C-Size Module
Weight	870g
Operating Temperature	0° C to 50° C
Storage Temperature	-40° C to 70° C
Software Support	VXI*plug&play* driver for the WIN95 and WINNT frameworks
Configuration	Cards can be factory installed or field installed by user
Warranty Period	12 month standard; extended periods available at additional cost.

Ordering Information:

3120-AA Standard Motherboard

Related Products:

3201-AA Voltage Reference Card

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