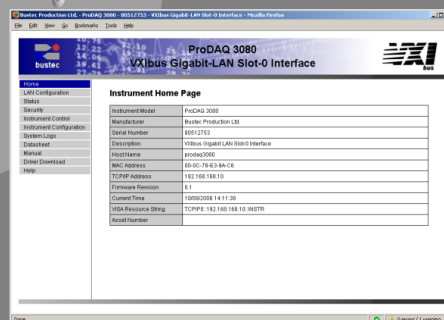


3080
VXIbus
GIGABIT LAN
SLOT-0
INTERFACE



- LXI - VXIbus Interface using standard VXI-11 protocol
- Supports VXI Standard Rev. 3.0 2eVME Block Transfers
- LXI Rev. 1.1 compatible Gigabit LAN Interface*
- Standard Software Interfaces for easy Integration
- Up to 50MB/s block transfer rates

POWER

General

The ProDAQ 3080 VXIbus Gigabit LAN Slot-0 interface provides access to VXIbus instruments through a standard Gigabit LAN interface using the VXI-11 protocol. It is designed to function as a bridge between the established, time-tested and proven base of VXIbus instruments and the powerful new LXI standard, which allows you to build any size of test and measurement system simply by connecting the instruments via standard LAN to your computer.

Gigabit LAN Interface

The ProDAQ 3080 is a fully compliant LXI Class C device, providing a standardized Gigabit LAN interface with support for the VXI-11 protocol, an embedded WEB interface and a synchronization API.

VXIbus Interface

The ProDAQ 3080 utilizes the new Tundra Tsi148 bridge to support the 2eVME block transfers specified in the revision 3.0 of the VXI standard in addition to all standard transfer modes. This allows for high-speed data transfers while maintaining backward compatibility to existing VXI rev. 1.4 and 2.0 instruments.

Software Interface

The ProDAQ 3080 is fully compliant to the *VXIplug&play* standard. Access to the 3080 and the VXIbus instruments is provided through a standard VISA library. This allows for backward compatibility with existing *VXIplug&play* drivers and application software. The VXIbus resource manager is embedded in the 3080 firmware and automatically executed at power-up. The embedded WEB interface allows to configure and control the ProDAQ 3080 VXIbus Gigabit LAN Slot-0 interface and provides access to the VXIbus instruments via a standard WEB browser.



* LXI compliance test pending.



LAN Interface		
Type	10/100/1000 BASE-TX	
Connector	RJ-45	
Protocols	TCP/IP, HTTP, VXI-11	
Device Type	Register-based VXIbus slot-0 controller	
Slot-0 Capabilities	Automatic Slot-0/non-Slot-0 Detection Full MODID/CLK10 support if slot-0	
VXIbus Interface		
Address Ranges	A16, A24, and A32	
Data Transfer	D08, D16, D16BLT, D32, D32BLT, D64MBLT, 2eVME	
Interrupt Cap.	Interrupter/Handler, IRQ 1-7	
Trigger Lines	VXIbus TTL Trigger 0-7, VXIbus ECL Trigger 0-1	
Front Panel I/O		
Trigger Input	TTL Level, active edge software selectable (Can be routed to VXIbus TTL and ECL trigger lines)	
Trigger Output	TTL Level, active level software selectable (Can be driven by VXIbus TTL and ECL trigger lines)	
CLK10 Input	TTL Level	
CLK10 Output	TTL Level	
Current Consumption (max)	Voltage (V)	Current (mA)
	+24	80
	+12	15
	+5	5600
	-2	50
	-5.2	150
	-12	10
	-24	0
Dimensions	VXIbus Single-Slot C-Size Module	
Weight	1150 gr.	
Operating Temperature	0° C to 50° C	
Storage Temperature	-40° C to 70° C	
Shock and Vibration		
Functional Shock	30g peak, half-sine, 11 ms pulsed <small>(Test performed in accordance to IEC 60068-2-27 and MIL-T-28800E Class 3.)</small>	
Random Vibration	5 to 500 Hz, 0.3g _{RMS} operational 5 to 500 Hz, 2.4g _{RMS} non-operational <small>(In accordance with IEC 60068-2-64 and MIL-T-28800E / MIL-STD-810E Meth. 514.)</small>	
Software Support	VXIplug&play compatible VISA library. Contact Bustec Production Ltd. for more information.	

Ordering Information

3080-AA VXIbus Gigabit LAN
Slot-0 Interface

Related Products:

3180-AA Ultra-perf. Motherboard
3410-Ax 24-Ch. Multiplexed ADC FC
3411-Ax 24-Ch. Enhanced ADC FC
3430-xx 4-Ch. 16-bit Sigma-Delta ADC
3424-xx 8-Ch. 24-bit Sigma-Delta ADC
3510-xx 16-Ch. DAC Function Card
3550-xx 2-Ch. AWG Function Card
3610-Ax 48-Ch. Digital I/O FC
3808-AA 8-Ch. Counter/Frequency Meter

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