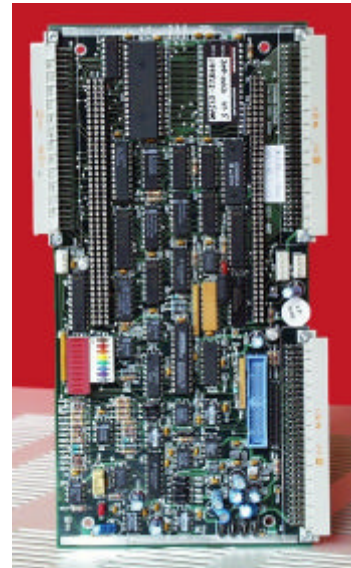


TGA/VXI Adapter Module

- **Adapts any TGA module to a Message based VXI module**
- **Converts to Plug in module for C size VXI rack**
- **Master and slave Converter Adapters available**
- **Facilitates TGA modules directly in a VXI backplane**
- **Maximises benefits of VXI and TGA rack systems**
- **Cost effective way to convert older systems to VXI**



The TGA/VXI adapter module is a generic unit for adapting TGA modules to plug directly into a C sized VXI backplane. In this scenario the TGA modules become true message based VXI modules. So any module available for the TGA backplane may also be available as a true VXI module.

Intepro produce several specialist modules that are not typically available from mainstream VXI module providers. These include High Voltage / High frequency scanners; High voltage power relay cards; Universal AC/DC source driver modules and so on. Use of these modules in conjunction with other OEM VXI modules means that complete VXI based Power Supply and EMC test systems are a realistic possibility.

There are two scenario's for using the TGA/VXI adapter module. The first involves using a fully featured adapter that is fitted with a VXI message based command interpreter. This implies that the adapted module is a true message based independent VXI module and it occupies a unique address on the VXI bus.

However another scenario is also possible if there are multiple TGA modules required in the VXI backplane. In this situation the user has the option of fitting only one TGA module with a full VXI adapter unit. Each of the other TGA module may then be fitted with a cheaper "slave" VXI adapter module. This means that all of the TGA modules located in the VXI rack will appear as a "sub-system" on the VXI backplane. Only one VXI address will be occupied (address of the control module) and the other modules are controlled on the VXI local bus via this control module. All of the modules still appear as VXI message based instruments to the controlling software but this is a cheaper implementation method because

only one fully feature VXI command processor is used and each of the slave modules uses a simpler, cheaper VXI interface.

The TGA/VXI adapter module is also particularly useful in situations where a users wished to upgrade an older system to a VXI architecture. Using the adapter module means that TGA modules from older systems can be integrated directly into a new VXI rack fitted to the system.

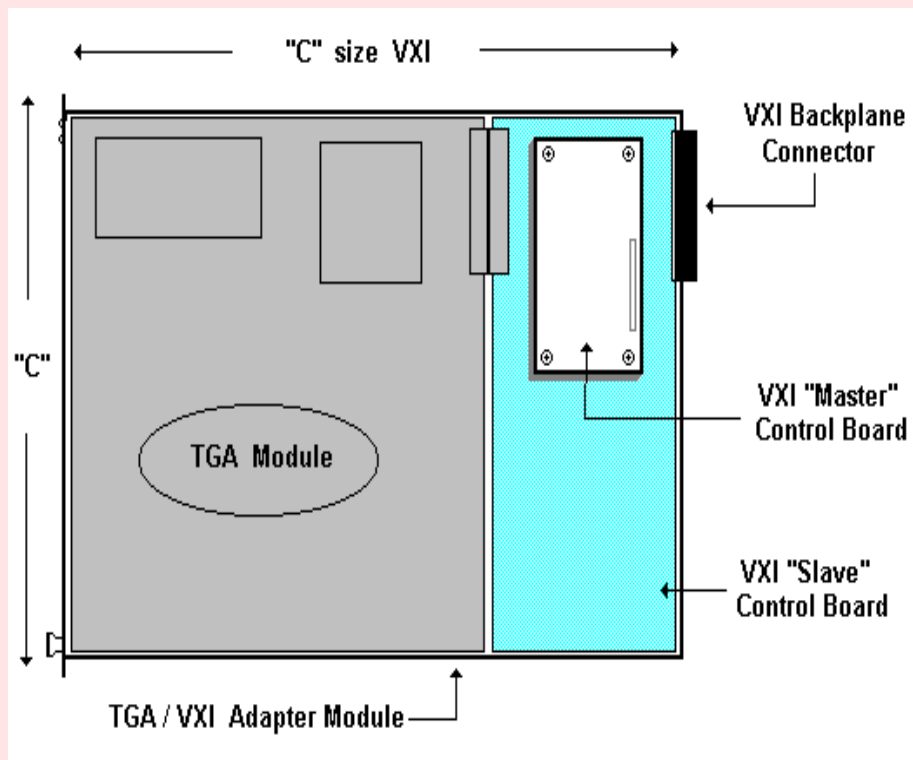
In short the user does not have to buy a new system, he can upgrade his system to be VXI based.

In addition many users may choose to purchase a cheaper TGA based system initially, confident in the knowledge that the modules can be upgraded to VXI at a later date once the user has quantified the benefits he expects from a VXI architecture or once additional budgets become available.

Selecting the right architecture (or combination of architectures) for a given Power Supply or EMC test application can often be a complicated and involved task. Intepro sales personnel are always on hand to help a user select a configuration that maximises benefits to suit his requirements.

This module is designed to be used in conjunction with a National Instruments MXI slot zero controller.

Technical Specifications			
VXI Bus :			
Revision Level:	1.3	Size :	C Size VXI module (May be Single or Double width depending on (TGA module that is adapted)
Device Type :	Message Based	Power :	+5V @ 1A +12V @ 100mA +/- 24V @ 30mA
Configuration :	Dynamic and Static address configuration. Programmable Interrupter (A16 Slave)	Operating Temp :	0°C to 55°C
Local Bus Class :	Analog Medium	Storage Temp :	0°C to 70°C
Model Code :	101 _h	Humidity :	10% to 85% relative
Manufacturer ID :	F64 _h		



Ordering information

709-0021 TGA/VXI Adapter Module (Master)

Options



Intepro Systems
1530 S. Lyon Street
Santa Ana, CA 92705
+1.714.679.9749
+1.714.835.3441 (Fax)

EU/Ireland
Intepro Systems
Lonsdale Road
National Technology Park
Limerick / Ireland
+353.61.33.22.33
+353.61.33.25.84 (Fax)

UK
Intepro Systems
Ashville Way
Molly Millar's Lane
Wokingham / UK
+44.118.977.0070
+44.118.979.2969 (Fax)