xTAG-PRO

Digital/analog debug adapter with power monitoring for xCORE devices

FEATURES

- **Analog header** with 4-channel analog inputs
- **xSYS header** for 2-channel digital inputs
- **Fully compatible with xTAG-2** our proven debug adapter
- **Dynamic power monitoring**
- **Multi-state LEDs** for easier application debugging
- **Context sensitive button** to interrupt or reset a system
- **USB-powered**, based on XS1-U6A-64 device
- **High quality metal enclosure**
- **Easy to use** with the xTIMEcomposer™ tools

xTAG-PRO™ is a high quality debug adapter with analog and digital scopes, and dynamic power monitoring. xTAG-PRO supports all XMOS development boards making it easy to develop with xCORE multicore microcontrollers.

Based on the proven xTAG-2 debug adapter and an XS1-U6A-64 device, xTAG-PRO is USB-powered with very high performance. With multiple-channel digital and analog I/O, applications are now easier to profile and debug. You can use the xTIMEcomposer tools to monitor the xCORE device power consumption and your application behavior using the xSCOPE library and simulator; as well as verifying timing requirements using the XMOS Timing Analyzer.

The xTAG-PRO has a high quality metal case, making it a standout feature amongst your development hardware. The multi-state LEDs show the current activity of the xTAG-PRO making it easier to debug your applications, and the reset button lets you quickly interrupt or reset a system.

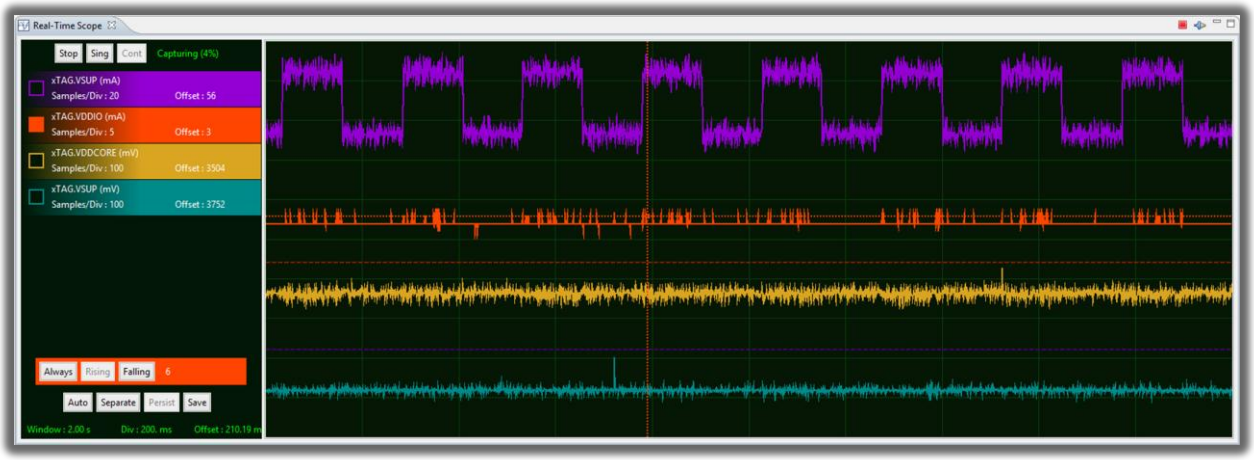
xTAG-PRO adapter card

The adapter card is connected to the xTAG-PRO using the ribbon cables provided and includes:

- An xSYS connector that lets you connect XMOS development boards to the xTAG-PRO. The connector provides a standard JTAG interface to the target device, a 2-wire xCONNECT link for connection to the xSCOPE tool, and UART TX/RX signals.
- A 16-pin ADC header for connecting analog devices and power monitoring. The connector includes 4 ADC input signals including 2 shunt signals (100:1 gain) for power monitoring, and 2 low voltage I/O signals for digital input. The signals are also available through a 0.5" IDC header on the adapter card.

xTIMEcomposer DEVELOPMENT TOOLS

xTAG-PRO requires xTIMEcomposer version 13.0.2 or later (Community or Enterprise Edition). The tools include a graphical development environment based on the industry standard Eclipse IDE, providing a choice between GUI-based tools and command-line tools.



Key features of xTIMEcomposer tools include:

- LLVM compiler with multicore support
- GDB based debugger
- Cycle accurate simulator
- xSCOPE software logic analyzer
- Static Timing Analyzer (XTA)

ORDERING INFORMATION:

For a list of XMOS distributors, please visit www.xmos.com/support/distributors.

Part number	Contents	Price
XA-XTAG-PRO	xTAG-PRO; adapter card; 20-pin ribbon cable; 16-pin ribbon cable	$750