

XILINX VIRTEX-II RECONFIGURABLE COMPUTER
Features


Xilinx Virtex-II Pro based PCI card

Support for the largest Xilinx devices from 2VP70 to 2VP100

Supports 4 independent banks of industry standard DDR SDRAM DIMM memory

Maximum configuration 16GByte

2MByte or 4 MByte SRAM in 1 bank of 512K, 1024K or 2048K x 36 bit DDR SDRAM

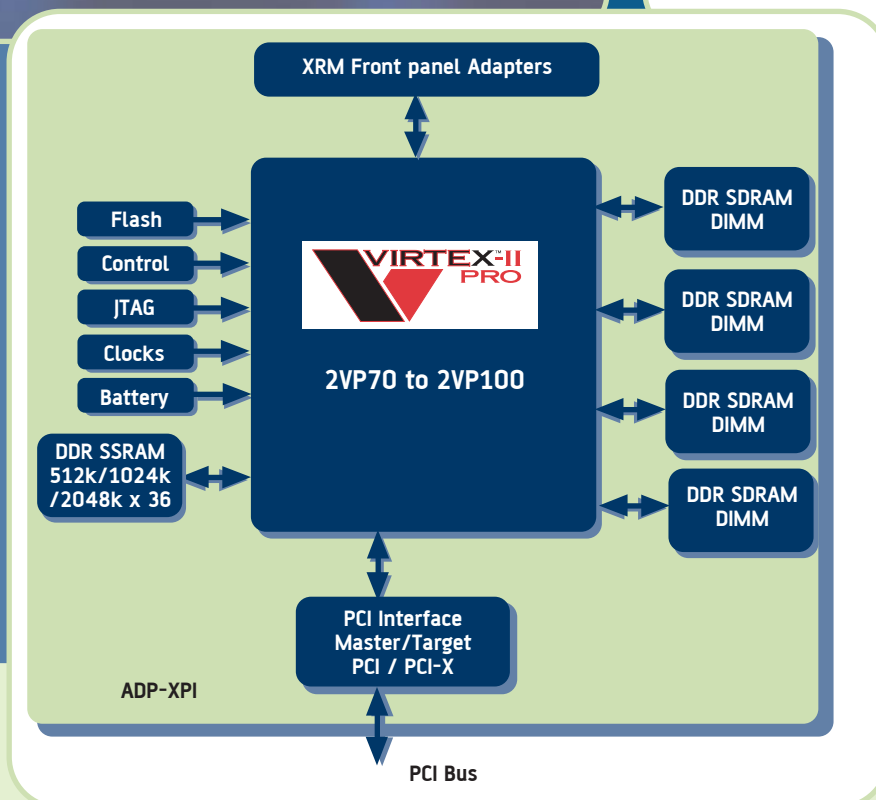
Flexible I/O via XRM front panel adapters

64-bit 133MHz PCI bus with high performance bus mastering and DMA interfaces

Support for Xilinx System Generator and ChipScope

Drivers for WinNT, Win2000, WinXP, VxWorks and Linux

Comprehensive Software Development Kit including template designs



XILINX VIRTEX-II RECONFIGURABLE COMPUTER
Specifications

		ADP-XPI
Virtex-II FPGA		2VP70, 2VP100
PCI-X Bus		64-bit 133MHz
FPGA Local Bus		64-bit 80MHz
Memory		
	DRAM	4 independent DDR SDRAM DIMMs maximum configuration 16 GBytes
	SRAM	512K, 1024K or 2048K x 36 DDR SSRAM
	Flash	16 MByte
I/O		146 front panel I/O via XRM adapter cards
Configuration		SelectMap, Flash, JTAG header
Software Development Kits		Windows, Linux, VxWorks

XRM-Adapters

XRM-IO146	High Density LVDS/LVTTL
XRM-IO34	Low Density LVDS/LVTTL
XRM-MGT	RocketIO/High Density LVDS/LVTTL
XRM-DDR	1 bank DDR SDRAM, LVDS/LVTTL
XRM-ZBT	2 banks ZBT SSRAM, RS-232
XRM-FPDP	Front Panel Data Port
XRM-ADC	1/2 ch 105MSPS 14-bit ADC
XRM-DAC	2 ch 105MHz 14-bit DAC
XRM-ETH	Ethernet, LDVS/LVTTL, RS-232
XRM-RIO	RapidIO
XRM-CLINK	CameraLink
XRM-HSSDC2	RocketIO

Ordering Information

ADP-XPI/xxx-y/s/d		
xxx	Virtex-II Pro size	2VP70 or 2VP100
y	Virtex-II speed	5, 6 or 7
s	DDR SSRAM	2, 4 or 8 MByte
d	DDR SDRAM	1, 2, 4, 8 or 16 GByte