

Summary

The ADM-PCIE-7V3 is a high performance reconfigurable Half-Length, low profile x8 PCIe form factor board based on the Xilinx Virtex-7 range of Platform FPGAs.

The ADM-PCIE-7V3 features two independent channels of DDR3 memory capable of 1333MT/s (fitted with two 8GB SODIMMs), high speed I/O, SATA connections, dual SFP+ ports supporting 10G Ethernet, voltage/temperature/current control and monitoring, air-cooled heat sink with removable fan. Please contact Alpha Data Sales for no-fan ordering option.

Features

Applications

- Data Center
- Network Accelerator
- High Performance Computing (HPC)
- Data Processing
- System Modelling
- Market Analysis

Target Device(s):

Xilinx Virtex-7: XC7VX690T-2 (FFG1157C)

Memory:

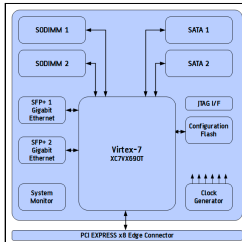
FLASH - 1GBit of BPI x 16 configuration flash

Front I/O:

Dual SFP+ cages for high speed optical communication including 10Gigabit Ethernet.

Other I/O:

Dual 6pin SATA Interfaces



Specification

Product Name	ADM-PCIE-7V3
Target Device(s)	Xilinx Virtex-7 XC7VX690T-2 (FFG1157C)
Interface	PCI Express Gen3 x8
Memory	FLASH - 1GBit of BPI x 16 configuration flash
Front I/O	Dual SFP+ cages for high speed optical communication including 10Gigabit Ethernet.
Other I/O	Dual 6pin SATA Interfaces
Special Features	Dual SFP+ cages for high speed optical communication including 10Gigabit Ethernet. Dual SATA Interfaces
Clocks	All Clocks derived from a local 100MHz LVDS oscillator with 20ppm 2x 100MHz - PCI Express Clocks and user design 2x 400MHz - Memory Interfaces and user design 1x 200MHz - IODELAY reference 1x 156.25MHz - 10GbE SFP 1x 150MHz - SATA Interface 1x 100MHz - User Design 1x 250MHz - User design 1x 80MHz - FPGA Configuration Clock
Device Configuration	FPGA Configured via the on board Configuration Flash Flash programmed via JTAG
Software	Reference Design Package available separately
Environmental	Temperature: Air cooled option (AC0): Operating Temperature 0° to +55°C EMC: FCC 47CFR Part 2 EN55022 Equipment Class B RoHS Compliance: All standard products are RoHS compliant. Please contact Alpha Data Sales for details of Tin/Lead build options.

Ordering Code
ADM-PCIE-7V3(F)

Fan Fitted	F	blank = Fan Fitted, /NF = No Fan Fitted
------------	---	--

Address: 4 West Silvermills Lane,
Edinburgh, EH3 5BD, UK
Telephone: +44 131 558 2600
Fax: +44 131 558 2700
email: sales@alpha-data.com
website: http://www.alpha-data.com

Address: 611 Corporate Circle Suite H
Golden, CO 80401
Telephone: (303) 954 8768
Fax: (866) 820 9956 - toll free
email: sales@alpha-data.com
website: http://www.alpha-data.com