Agilent U1064A
Acqiris High-Speed cPCI Digitizers DC271, DC241 and DC211

Configuration Guide

Introduction

This document provides configuration information for the Agilent U1064A 8-bit cPCI high-speed digitizers, Acqiris DC271, DC241, and DC211.

Required selections	
Channel count	*Instructions: Select the required number of channels. Channels can be interleaved to achieve maximum sample rate.*
U1064A-001	Single-channel, 1 GHz, 4 GS/s, 512 kSamples, DC211
U1064A-002	Dual-channel, 1 GHz 2-4 GS/s, 256-512 kSamples, DC241
U1064A-004	Quad-channel, 1 GHz, 1-4 GS/s, 128-512 kSamples, DC271
Front-end performance	*Instructions: Select the required front end. One front end is required per input channel of the card (1, 2, or 4).*
U1064A-F50	50 Ω, 1 GHz front-end
U1064A-FHZ	50 Ω/1 Mohm, 1 GHz/300 MHz front-end
Input connector types	*Instructions: Select the required connector type for the input channels, and the trigger input. Five connectors are required per DC271 (4 input + 1 trigger), three connectors per DC241 (2 input + 1 trigger), and two connectors per DC211 (1 input + 1 trigger).*
U1064A-BNC	BNC connectors
U1064A-SMA	SMA connectors

Agilent Technologies

Options	
Memory options	*Instructions: The standard module is supplied with 512 kSamples of acquisition memory. If required, two memory extension options are available.*
U1064A-M8M	8 MSample acquisition memory
U1064A-M32	32 MSample acquisition memory

Battery backup	*Instructions: Battery backup allows the storage of acquired data in on-board memory for up to 120 h.*
U1064A-BB1	Battery back-up for standard memory

Calibration certificate	*Instructions: If required, and calibration data along with calibration certificate can be provided.*
U1064A-UK6	Calibration certificate and cal data

Manuals	*Instructions: Available from Agilent.com, optional hardcopy paper manuals and CD-ROM software and drivers are also available.*
U1061A-0B1	User manual kit for Acqiris 8-bit digitizers
U1061A-0B2	Programmers reference manual
U1061A-0B3	Programmers guide
U1061A-0B4	Software and drivers CD

System Information

For creation of an integrated Compact PCI system, including chassis, interface or single board computer, please refer to the U1056B product.

U1056B Data converter system

www.agilent.com

Product specifications and descriptions in this document subject to change without notice.

For more information on the Acqiris product line, sales or services, see our website at:

www.agilent.com/find/acqiris

Contacts

Agilent Acqiris Product Information

USA	**(800) 829-4444**
Asia-Pacific	**61 3 9210 2890**
Europe	**41 (22) 884 32 90**

Additional Agilent Contact Information

Americas

Canada	(877) 894-4414
Latin America	305 269 7500
United States	(800) 829-4444

Asia Pacific

Australia	1 800 629 485
China	800 810 0189
Hong Kong	800 938 693
India	1 800 112 929
Japan	0120 (421) 345
Korea	080 769 0800
Malaysia	1 800 888 848
Singapore	1 800 375 8100
Taiwan	0800 047 866
Thailand	1 800 226 008

Europe and Middle East

Austria	1800 629 485
Belgium	32 (0) 2404 93 40
Denmark	45 70 13 15 15
Finland	358 (0) 10 855 2100
France	0825 010 700*
	*0.125 €/minute
Germany	49 7031 464 6333
Ireland	1890 924 204
Israel	972-3-9288-504/544
Italy	39 02 92 60 8484
Netherlands	31 (0) 20 547 2111
Spain	34 (91) 631 3300
Sweden	0200-88 22 55
Switzerland	0800 80 53 53
United Kingdom	44 (0) 118 9276201

Other European Countries:
www.agilent.com/find/contactus

© Agilent Technologies, Inc. 2008

Printed in USA, November 28, 2008
5989-9189EN

Agilent Technologies