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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



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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

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