

Digitizer Studio Datasheet



Digitizer Studio is an application software for the ADQ series of digitizers. Digitizer Studio features

- Graphical User Interface for control
- Waveform plot
- Save and load data
- Save and load configurations

1 DIGITIZER STUDIO INTRODUCTION

1.1 Features

- Diagram view for understanding relation between parameters
- Table view for efficient entry of parameters
- Details view with complete information about parameters
- Waveform plot in multiple windows
- Multiple Cursor
- Time-domain and FFT plot
- Signals analysis

1.2 Applications

- Test and measurement
- Scientific instruments
- Medical imaging
- Particle physics
- ATE

1.3 Advantages

- Digitizer Studio is a fast and easy way to evaluate the performance of the ADQ digitizer.
- Digitizer Studio is an easy to use tool to explore the possibilities of the ADQ digitizers.
- Digitizer Studio can interface to the end application by saving recorded data.
- Digitizer Studio speeds up the development of the application since the development of the application can be separated from control of the digitizer.

2 DIGITIZER MODEL SUPPORT

Digitizer studio supports the following models.

Table 1 ADQ digitizer models

Model	Hardware options	Firmware	Limitations
ADQ8	-8C-VG-PXIe	FWDAQ	Daisy chain trigger not supported
ADQ8	-8C-VG-MTCA	FWDAQ	MTCA MLVDS has limited support
ADQ14DC-USB	All options	FWDAQ	
ADQ14DC-PXIe	All options	FWDAQ	
ADQ14DC-PCIe	All options	FWDAQ	
ADQ14DC-MTCA	All options	FWDAQ	MTCA MLVDS has limited support
ADQ14AC-USB	All options	FWDAQ	
ADQ14AC-PXIe	All options	FWDAQ	Backplane triggers has limited support
ADQ14AC-PCIe	All options	FWDAQ	
ADQ7DC-USB	All options	FWDAQ	No support for 10GBE port
ADQ7DC-PXIe	All options	FWDAQ	
ADQ7DC-PCIe	All options	FWDAQ	
ADQ7DC-MTCA	All options	FWDAQ	MTCA MLVDS has limited support No support for 10GBE port
ADQ12DC	All options	FWDAQ	

3 GENERAL LIMITATIONS

The GPIO function is not supported by the GUI since this function is related to building a real-time application.

The only supported acquisition mode is Multi Record.

4 SYSTEM REQUIREMENT

Digitizer Studio operates under Windows 10 and Linux.

Windows 10

Windows 8 / 8.1

Ubuntu 18.04

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