

## 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
<b>ADQ8-8C</b>	-VG-PXIe	FWDAQ	Daisy chain trigger not supported
<b>ADQ8-8C</b>	-VG-MTCA	FWDAQ	MTCA MLVDS has limited support
<b>ADQ8-4X</b>	-VG-PXIe	FWDAQ2G FWDAQ4G	Daisy chain trigger not supported
<b>ADQ14DC-USB</b>	All options	FWDAQ	
<b>ADQ14DC-PXIe</b>	All options	FWDAQ	
<b>ADQ14DC-PCIe</b>	All options	FWDAQ	
<b>ADQ14DC-MTCA</b>	All options	FWDAQ	MTCA MLVDS has limited support
<b>ADQ14AC-USB</b>	All options	FWDAQ	
<b>ADQ14AC-PXIe</b>	All options	FWDAQ	Backplane triggers has limited support
<b>ADQ14AC-PCIe</b>	All options	FWDAQ	
<b>ADQ7DC-USB</b>	All options	FWDAQ	No support for 10GBE port
<b>ADQ7DC-PXIe</b>	All options	FWDAQ	
<b>ADQ7DC-PCIe</b>	All options	FWDAQ	
<b>ADQ7DC-MTCA</b>	All options	FWDAQ	MTCA MLVDS has limited support No support for 10GBE port
<b>ADQ7WB-PXIe</b>	All options	FWDAQ	
<b>ADQ7WB-PCIe</b>	All options	FWDAQ	
<b>ADQ12DC</b>	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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