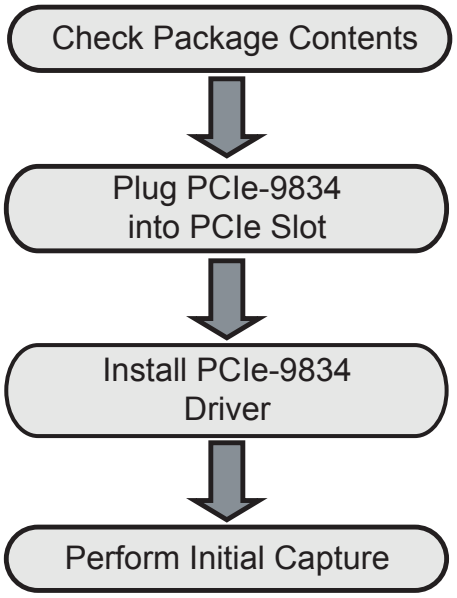
PCIe-9834
4CH 16-Bit 80MS/s Digitizer
PCIe-9834/PCIe-9834P

Getting Started



Package Contents

Your package should contain:

- PCIe-9834 card
- Quick Start Guide (this document)
- All-In-One CD (drivers and User's Manual)

Features

- Supports 4-CH simultaneous analog inputs up to 80 MS/s
- High 16-bit resolution with low front-end distortion
- Data streaming up to 640 MB/s
- 1G onboard memory
- 10 or 20 MHz digital onboard filter (FPGA)
- PLL module for precise synch (PCIe-9834P only)
- PCI Express x4 compilant
- Power consumption:
  3.3V: 20mA
  12V: 470mA (PCIe-9834)
  12V: 697mA (PCIe-9834P)
- One external digital trigger input
- One external clock input
- One external reference 10MHz clock input (PCIe-9834P only)
- Auto-calibration
- Dimensions: 167.64 x 106.68 mm (W x L)

Installing the Card

1. Remove the computer cover according to the manual.
2. Locate a vacant x4, x8, x16 or faster slot.
3. Remove the slot cover (if any).
4. Carefully position the PCIe-9834 in the selected PCI express slot. If installing in a tower computer, align the board with the board slots.
5. Press the board firmly but carefully into the connector.
6. Anchor the board with the screw.
7. Connect the SMB to BNC coaxial cable to the analog signal source and PCIe-9834
8. Power up the computer.

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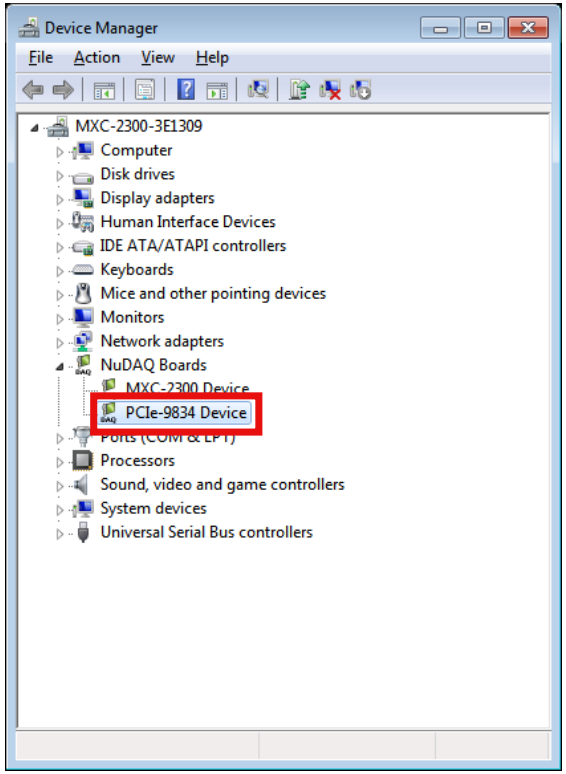
Installing the Driver

1. Download the latest driver from the ADLINK website:
   http://www.adlinktech.com/
   or
   locate the driver on your ADLINK all-in-one CD and Run.

2. Follow the installation instructions.

3. When prompted, restart your computer.

4. After restarting, check the system's Device Manager and ensure that the entries appear as shown.

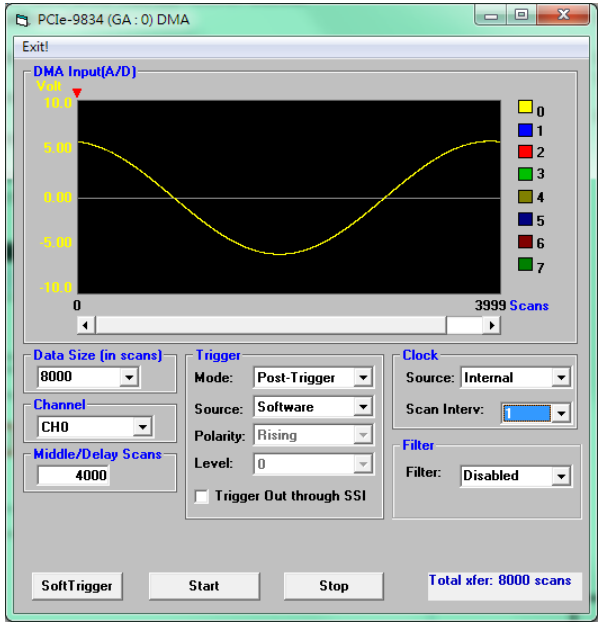


Performing Initial Capture

1. Connect your analog signal source (AWG) device to the PCIe-9834 digitizer.

2. Launch the DMA utility by running
   \ADLINK\WD-DASK\Samples\9814_34\Vb98x4AI\9814dma.exe

3. Follow the instructions to configure the PCIe-9834 for initial capture.



Contact ADLINK

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