USB-7230/7250
USB 2.0-based Digital I/O Module

Getting Started

Check product package

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Install USB-7230/7250 driver (UD-DASK) & utility (U-Test)

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Connect USB-7230/7250 to USB 2.0/3.0 port

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Perform quick test with U-Test utility

Package Contents

Your package should contain:

- USB-7230/7250
- Stand
- USB cable (2m)
- 2X 20-pin removable screw terminals
- Rail mount kit
- ADLINK All-in-One CD
- Quick Start Guide (this document)

Installing the Driver

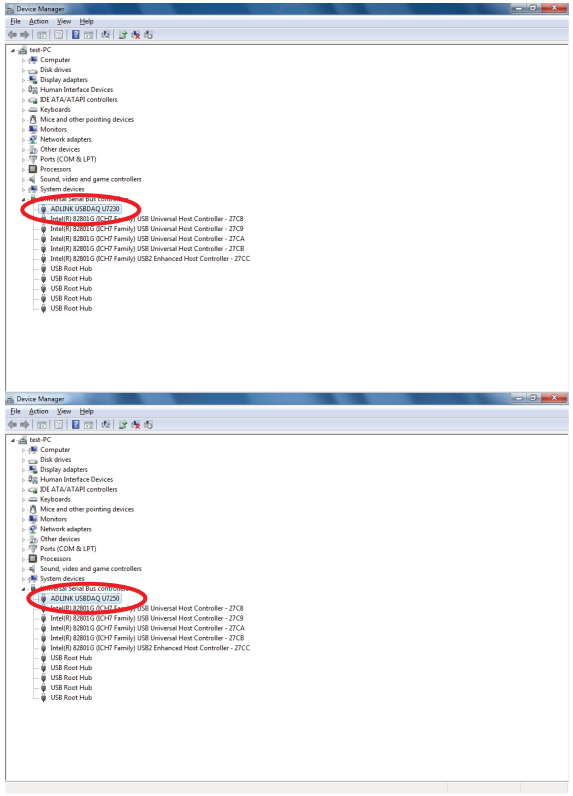
1. Download the latest UD-DASK driver & U-Test from: http://www.adlinktech.com/ and run.
2. Follow the installation instructions

Features

- USB 2.0, USB bus powered
- Programmable digital filter clears input channels
- Programmable DO/Relay initial status
- Up to 2500 VRMS isolation voltage
- Removable screw terminals
- Lockable USB cable for secure connectivity
- Ready-to-use testing application (U-Test) included

Connecting the USB-7230/7250

1. Connect the USB-7230/7250 module to one USB 2.0 or 3.0 port on the computer using the included USB cable
2. The first time the USB-7230/7250 module is connected, a New Hardware message appears. It will take around 6 seconds to load the firmware. When complete, the LED indicator on the rear of the USB DAQ module changes from amber to green and the New Hardware message closes. The USB-7230/7250 module can now be located in the hardware Device Manager, as shown.



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Pin Connections

Pin	Function	Pin	Function
20	VDD	40	DO15
19	DO7	39	DO14
18	DO6	38	DO13
17	DO5	37	DO12
16	DO4	36	DO11
15	DO3	35	DO10
14	DO2	34	DO9
13	DO1	33	DO8
12	DO0	32	IGND
11	IGND	31	IGND
10	CNT0	30	CNT1
9	CGND	29	COM
8	DI7	28	DI15
7	DI6	27	DI14
6	DI5	26	DI13
5	DI4	25	DI12
4	DI3	24	DI11
3	DI2	23	DI10
2	DI1	22	DI9
1	DI0	21	DI8

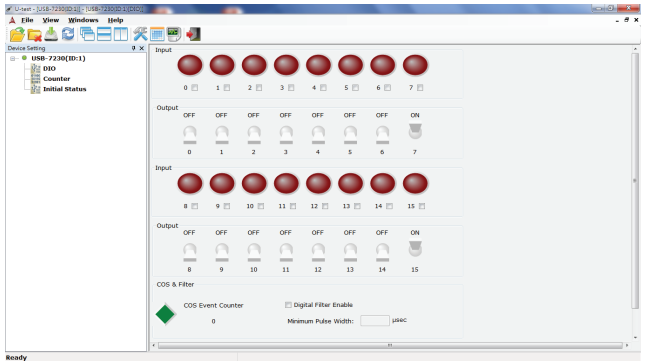
USB-7230 Pin Assignment

Pin	Function	Pin	Function
20	NO7	40	GND1
19	COM7	39	CNT1
18	NO6	38	GND0
17	COM6	37	CNT0
16	NO5	36	DI7L
15	COM5	35	DI7H
14	NO4	34	DI6L
13	COM4	33	DI6H
12	NC3	32	DI5L
11	NO3	31	DI5H
10	COM3	30	DI4L
9	NC2	29	DI4H
8	NO2	28	DI3L
7	COM2	27	DI3H
6	NC1	26	DI2L
5	NO1	25	DI2H
4	COM1	24	DI1L
3	NC0	23	DI1H
2	NO0	22	DI0L
1	COM0	21	DI0H

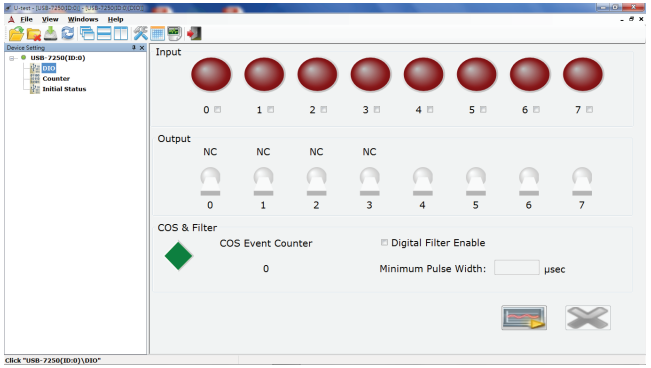
USB-7250 Pin Assignment

Quick Testing with U-Test

1. Connect the signal to be monitored and controlled to the USB-7230/7250
2. Launch the U-Test Utility from either the Start menu, or C:\ADLINK\U-test\U-Test.exe
3. Once the connected USB-7230/7250 is detected, configure the DI/O or counter settings and run to implement quick testing



USB-7230 U-Test



USB-7250 U-Test

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