Advantech AE Technical Share Document

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Category	■ FAQ □ SOP	Related OS	Microsoft Windows7/8/XP
Abstract	DAQNavi shows the device is busy and can not be opened.		
Keyword	Thread safty, DAQNavi		
Related Product	DAQNavi		

■ **Problem Description**:

DAQNavi shows the device is busy and can not be opened.

■ **Brief Solution - Step by Step**:

It is probably because the devices is using by another utility or program. When you are using DAQNavi to control the card, it is not allowed to control by the program at the same time , and vice versa. This is a thread safety to avoid sending two different commands to a card, which could cause unpredictable danger.

DAQNavi only authorizes one thread for writing, but there is no limitation for reading.   When the device is in use, users can not control it through another utility or program. In the meantime, users can still check the configuration, but are not allowed to change the settings
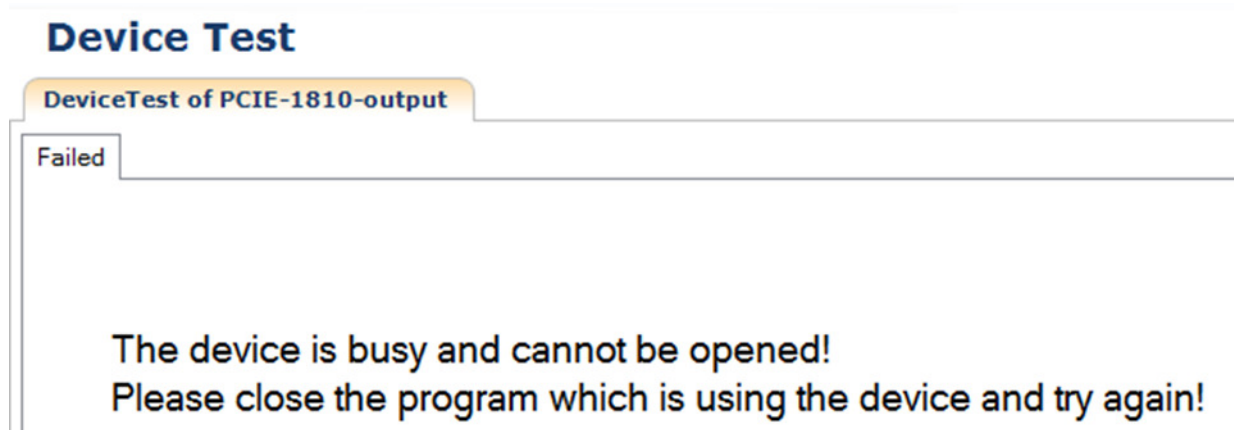
Device Test

DeviceTest of PCIE-1810-output

Failed

The device is busy and cannot be opened!
Please close the program which is using the device and try again!

Fig 1: When the device is in use , users can not control it through another utility

```
public StaticDIForm(string description)
{
    InitializeComponent();
    instantDiCtrl1.SelectedDevice = new DeviceInformation("PCI-1737U,BID#0");
}


private void InstantDiForm_Load(object sender, EventArgs e)
{
    instantDiCtrl1.SelectedDevice = new DeviceInformation("PCI-1737U,BID#0");
    //The default device of project is demo device, users can choose other devices a
    // MessageBox.Show("No device be selected or device open failed!", "StaticDI");
    if (!instantDiCtrl1.Initialized)
    {
        MessageBox.Show("No device be selected or device open failed!", "StaticDI");
        this.Close();
        return;
```
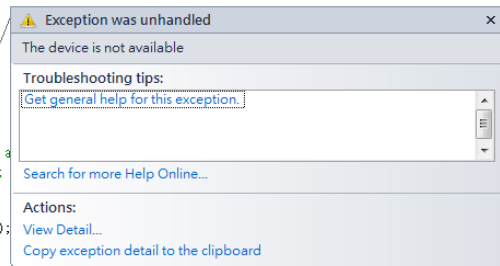
Exception was unhandled ✕

The device is not available

Troubleshooting tips:

Get general help for this exception.

Search for more Help Online...

Actions:

View Detail...

Copy exception detail to the clipboard

Fig 2: When the device is in use, users can not control by program (c# sample)

Reference:

DAQNavi SW manual