ADLINK Technical Document

Abstract	How to build an application in LabVIEW for DSA DAQ		
OS	Windows		
Keyword	DAQ-LVIEW Plus, MAPS, DSA DAQ		
Related Products	PCI-9527, PCI-9527L, PCIe-9529, PXI-9527, PXIe-9529		
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● Issue Details:

Error 7 means the source file of the build application is missing the required Common Class and Device Class files. This document shows how to add the classes necessary to build an application for the DSA DAQ in LabVIEW.
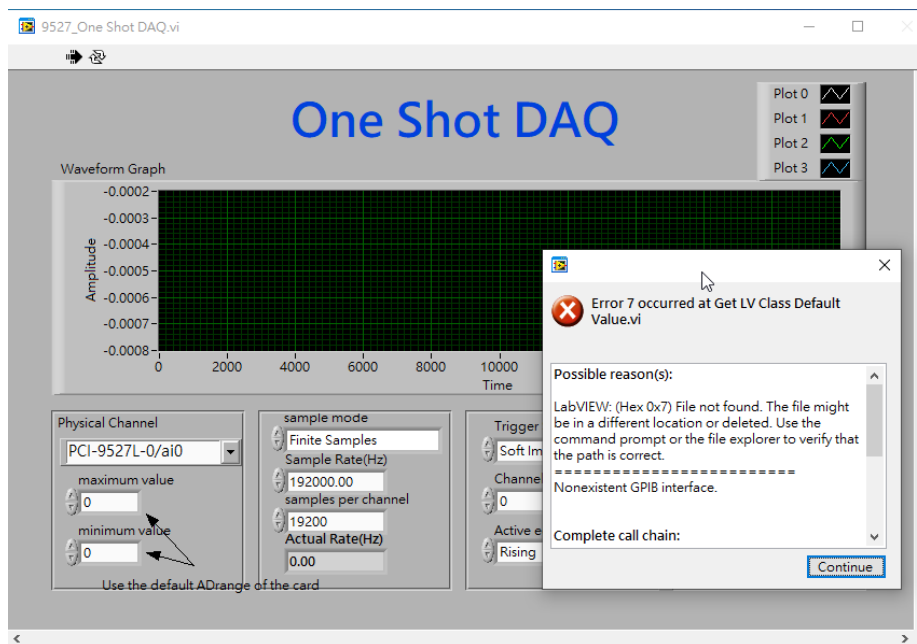
● Prerequisites:

Please install the following in the order indicated before proceeding:

1. MAPS Core
2. DAQ-LVIEW Plus

● Solution:

Step 1:

Navigate to the appropriate folder below (32-bit or 64-bit version):

- 32-bit - C:\ADLINK\DAQ-LVIEW Plus\Building Example\Reference Map
- 64-bit - C:\ADLINK\DAQ-LVIEW Plus-64bit\Building Example\Reference Map

Launch "DSA Reference Map.lvproj"

Step 2:

Copy the following ".lvclass" files to the development project:

- Common Class: All files
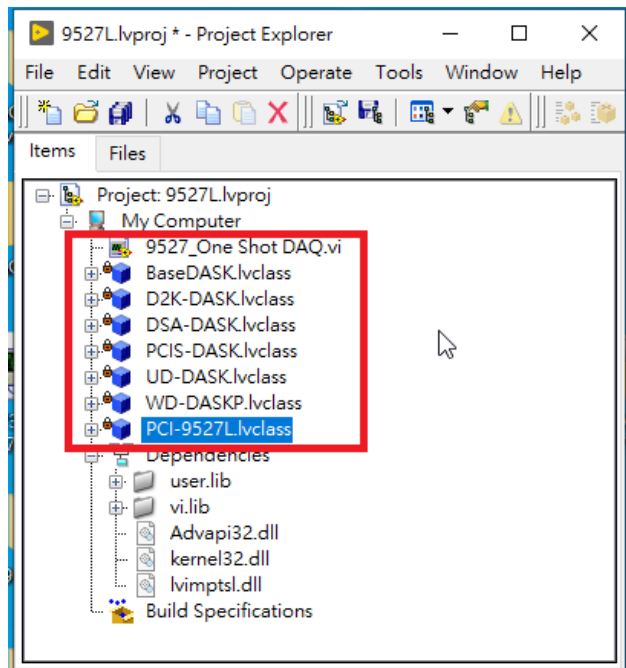- Device Class: Specific file for the DSA DAQ

Example:

To measure the voltage on the PCI-9527L, copy the following ".lvclass" files to the sample project (as shown below):

- Common Class: BaseDASK, DSA-DASK, WD-DASKP, UD-DASK, PCIS-DASK, D2K-DASK
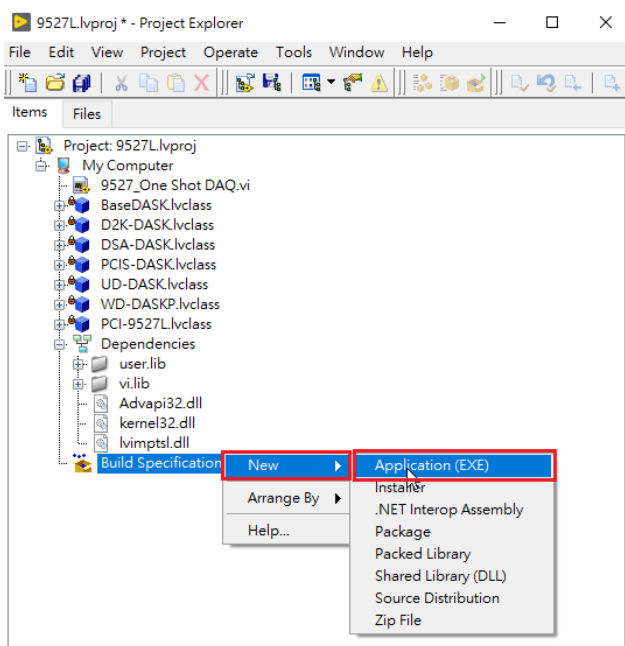- Device Class: PCI-9527L
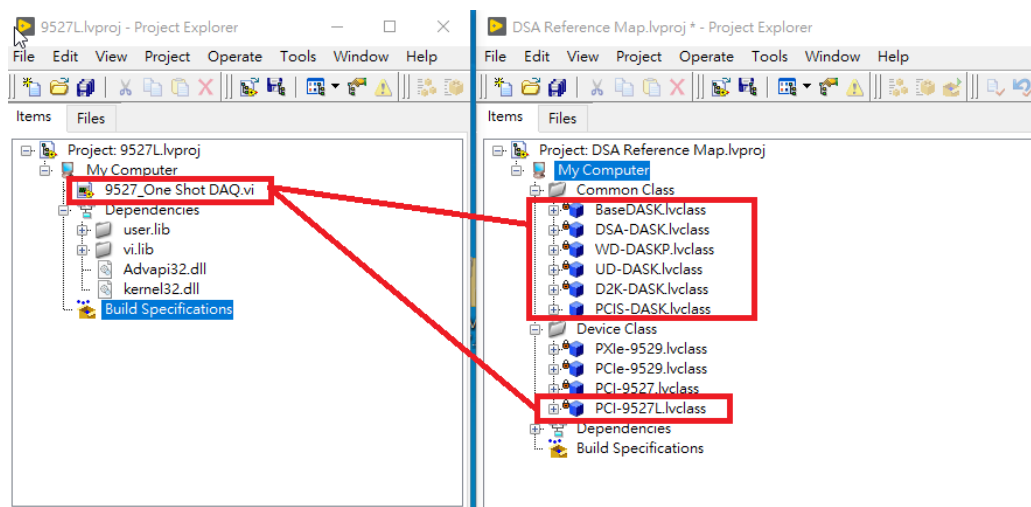
Step 3:

Check the project to ensure the Common Class and Device Class files were copied correctly.

Step 4:

Add the classes to the build specifications:

1. Right-click "Build Specification"
2. Hover over "New"
3. Select "Application(EXE)"

Step 5:

In the "My Application Properties" dialog:

1. Select "Source Files"
2. Select the main vi, then click the top "—>" to add to "Startup Vis"
3. Select the common class files and DSA DAQ device class file, then click the lower "—>" to add to "Always Include"
4. Click the "Build" button
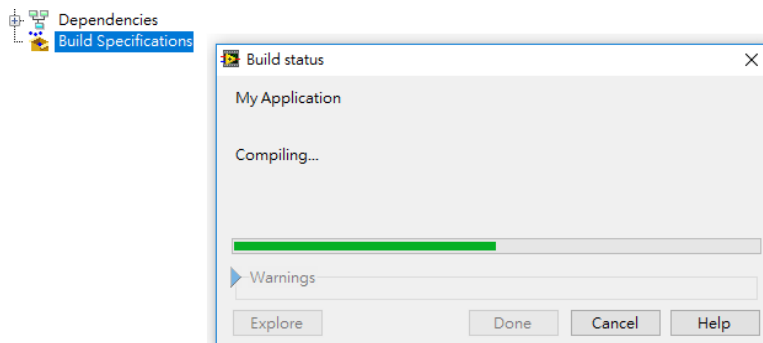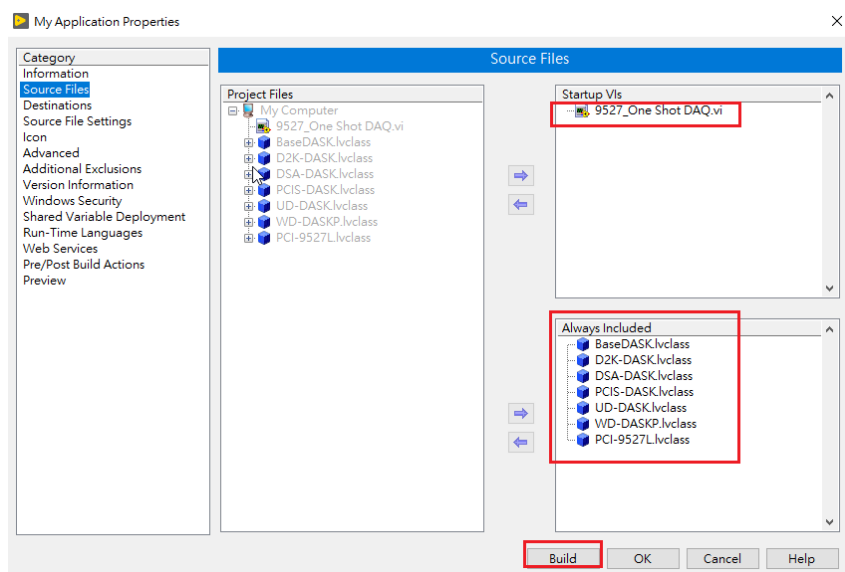
Step 6:

Run the Application.exe directly from the application folder.