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What Does a VXIplugandplay Instrument Driver Contain?

KEYSIGHT TECHNOLOGIES

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Contents

A VXIplugandplay instrument driver contains several components. It is composed of a soft front panel, function panel, function library, help file, knowledge base, and source code.

The soft front panel is a stand-alone executable program that can be used to demonstrate the instrument's capabilities. Currently, the soft front panel can not be used to program the instrument. It can be used to interactively control the instrument but it does not generate any programming code.

The function panel is a database that describes the functions in the function library. Certain application development environments (ADEs) such as VEE 3.2 , LabWindows CVI, and LabView are able to use the function panel to access the functions in the function library. Function panels make it easier to program the instrument.

The function library is a dynamically callable library of functions which can be used to control the instrument. The function library is normally written in C and source code is provided.

The knowledge base file (.kb) describes the physical characteristics of the instrument. This can be used by a configuration program to pre-configure systems and install hardware.

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