

VXI Command Module Configuration Help

Please select the following: [Configuring the VXI Command Module](#).

Configuring the VXI Command Module

For more information, see [What is a VXI Command Module?](#).

To configure the VXI Command Module, you need to provide the following information.

▫ **VISA Interface Name** is a symbolic name that VISA uses to uniquely identify this VXI Command Module. The VISA Interface Name must be the letters **GPIB-VXI** followed by a number, for example:

GPIB-VXI0

GPIB-VXI1

GPIB-VXI2

By convention, the first VXI Command Module configured should be called **GPIB-VXI0**, the next **GPIB-VXI1**, and so forth. The default VISA Interface Name is the lowest numbered interface available, usually **GPIB-VXI0**.

Next, the location of the VXI Command Module must be specified. Two values must be set to locate the VXI Command Module:

▫ **GPIB Interface** is the name of the corresponding GPIB interface on which the VXI Command Module is located. The default GPIB Interface is the lowest numbered interface available, usually **GPIB0**.

▫ **GPIB Primary Address** is the GPIB address where the VXI Command Module is located. The default GPIB Primary Address is 9, but may be any value in the range 0-31, inclusive. Common values are 9 (the default), and 1 (the factory default of most VXI Command Modules). Note that the GPIB Primary Address specified in I/O Config must be consistent with the GPIB primary address configured into the VXI Command Module.

If the configuration values that are displayed for the VISA Interface Name, GPIB Interface, and GPIB Primary Address are acceptable to you, click on the **OK** button.

Otherwise, you can change the configuration values either by clicking on the arrows next to the values, or, if there are no arrows, by typing in the values you want. At any time, you can press the **Defaults** button to return the configuration dialog box to its default configuration values for the VXI Command Module.

When you are done changing the values, either press the **OK** button if you want I/O Config to accept the changes, or press the **Cancel** button to cancel the changes and return to the previous configuration values for the VXI Command Module.

What is a VXI Command Module?

The VXI Command Module is a special interface type supported only in VISA. It specifies a GPIB interface to a VXI Command Module. Using the VXI Command Module, you may talk to a VXI cardcage using a GPIB interface, but still have access to VXI functionality in VISA, such as **viPeek**, **viPoke**, and so forth.

To access the VXI Command Module, your computer is connected via a GPIB cable to a VXI Command Module within a VXI cardcage. The VXI Command Module converts GPIB protocols to VXI protocols, thus allowing you to talk to VXI instruments located within the VXI cardcage. Therefore, by using an VXI Command Module, most of the functionality of a VXI interface is available to you without your having to define a VXI interface.

The following Agilent VXI Command Modules are supported with VISA:

- E1405
- E1406
- E1300
- E1301
- E1303
- E1306

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