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I2C SPI INTERFACE DEVICE MANUAL

USB-8452

Version: I2C/SPI Interface Device

Last Modified: February 24, 2017

I^2C and SPI Interface

- Compatible with Windows 7/Vista/XP/2000
- I^2C master interface with clock rates up to 3.33 MHz
- SPI master interface with clock rates up to 50 MHz
- Stream API optimized for exercising and validating analog-to-digital converters (ADCs)
- High-level API for NI LabVIEW, NI LabWindows™/CVI, and Microsoft Visual C/C++ 6.0
- 8 general-purpose digital I/O lines

The USB-8452 is an interface for connecting to and communicating with I^2C and SPI devices. With plug-and-play USB connectivity, the USB-8452 is a bus-powered, portable solution to communicate with consumer electronics and integrated circuits. It also includes eight general-purpose digital I/O lines for a variety of applications, such as configuring the address of I^2C devices, toggling LEDs, or strobing Convert and Data Ready lines common to analog converter chips.



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