

# Ni 9217 Manual

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### **2-Wire RTD Support For NI 9216, NI 9217, NI 9226, and NI ...**

Home Support Manuals NI CompactRIO Device Drivers Help. ... Use this value to convert and calibrate NI 9217 data if you set the Calibration Mode to Raw in the C Series Module Properties dialog box. Module Properties. Use the FPGA I/O Property Node to access the following module properties for this device.

### **NI-9214 - National Instruments**

Use this value to convert and calibrate NI 9217 data if you set the Calibration Mode to Raw in the C Series Module Properties

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dialog box. Offset: Returns the calibration offset in  $\mu\Omega$  for the channel. Use this value to convert and calibrate NI 9217 data if you set the Calibration Mode to Raw in the C Series Module Properties dialog box.

### **NI-9217 - National Instruments**

4-Channel, 400 S/s Aggregate, 0 ohms to 400 ohms, PT100 RTD C Series Temperature Input Module Screw-terminal or spring-terminal connectivity 50 Hz/60 Hz noise rejection 250 Vrms, CAT II, channel-to-earth isolation

### **NI 9217 Getting Started Guide - National Instruments**

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### **NI 9217 4 RTD, DATASHEET 24 Bit, 400 S/s Aggregate, PT100**

The National Instruments NI 9217 4-Channel 24-Bit C Series Module features four channels and 24 bits of resolution for 100 Ω RTD measurements. The NI 9217 can be configured for two different sampling rate modes. With the high-sampling-rate mode, the 9217 can sample at up to 400 S/s (100 S/s per channel).

### **NATIONAL INSTRUMENTS NI 9217 OPERATING INSTRUCTIONS MANUAL ...**

You can configure the NI-9217 for two sample rate modes: high sample rate or high resolution. The NI-9217 is compatible with 3- and 4-wire RTD measurements, and it automatically detects the type of RTD (3- or 4-wire) connected to the channel and configures each channel for the appropriate mode.

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### **NI 9217 Calibration Procedure - Calibration Executive 5.0**

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1) If you have already a NI 9217 module, you can connect your PT100 temperature sensor directly without using a transmitter. That means: Remove the transmitter, simply connect red cable (1) to RTD+, white cable (2) to RTD- and the second white cable (3) to COM. Use the sample NI 9217 program provided in the samples folder of NI.

### **NATIONAL INSTRUMENTS NI 9219 OPERATING INSTRUCTIONS MANUAL ...**

The Operating Instructions for the NI 9216, NI 9217, NI 9226, and NI 9219 explain how to connect and measure from a 4-Wire RTD and 3-Wire RTD. Do these modules also support 2-Wire RTDs?

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NI 9217 Connection Guidelines • Make sure that devices you connect to the NI 9217 are compatible with the module specifications. • You must use 2-wire ferrules to create a secure connection when connecting more than one wire to a single terminal on the NI 9217 . Wiring for High-Vibration Applications

### **NI 9217 - C Series Temperature Input Module Manual ...**

Page 1 GETTING STARTED GUIDE NI 9217 4 RTD, 0  $\Omega$  to 400  $\Omega$ , 24 Bit, 400 S/s Aggregate, PT100...; Page 2 This document explains how to connect to the NI 9217. Before you begin, complete the software and Note hardware installation procedures in your chassis documentation. The guidelines in this document are specific to Note the NI 9217.

### **NI 9217 (FPGA Interface) - NI CompactRIO Device Drivers**

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Hello. I am using a NI-9217 RTD module in a CDAQ-9178 chassis.

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What is the difference between High-Resolution and High-Speed on the NI-9217? In my setup, I am sampling all four channels and realize the specified 800ms total for all four channels in high-resolution mode and the 10mS when in high-speed. The acquired signal does have more noticeable noise in the high-speed mode.

### **NI 9217 with PT100 resistance thermometer connection**

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### **NI 9217 GETTING STARTED MANUAL Pdf Download.**

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### **Ni 9217 Manuals**

The NI 9217 is an RTD analog input module for NI CompactDAQ and CompactRIO systems. The NI 9217 features four channels and 24 bits of resolution for PT100 RTD measurements. The NI 9217, compatible with 3- and 4-wire RTD measurements, automatically detects the type of RTD (3- or 4-wire) connected to the channel and configures each channel for the

### **National Instruments NI 9217 4-Channel, 24-Bit C Series Module**

The NI 9217 RTD module (779592-01) by National Instruments is In Stock & Ready to Ship at Apex Waves. The NI 9217 FPGA details and specifications can be found on [www.apexwaves.com](http://www.apexwaves.com). Call for the NI 9217 price!

### **NI-9217 National Instruments Temperature Input Module**

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16-Channel, 68 S/s Aggregate,  $\pm 78$  mV, Isothermal C Series Temperature Input Module—The NI-9214 is a high-density thermocouple input module that is designed for higher channel count systems. The NI-9214 includes features to increase overall accuracy, such as CJC sensors in the terminal block, component layout to minimize thermal gradients ...

### **NI 9217 (FPGA Interface) - CompactRIO Reference and ...**

The following setup and environmental conditions are required to ensure the NI 9217 meets published specifications. Keep connections to the device as short as possible. Long cables and wires act as antennas, picking up extra noise that can affect measurements. Use shielded copper wire for all cable connections to the device.

### **NI-9217 RTD Sampling Speed, High-Resolution vs High-Speed ...**

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NI 9205 Operating Instructions and Specifications 4 ni.com  
Caution When module terminals are hazardous voltage LIVE (>42.4V pk/60 VDC), you must ensure that devices and circuits connected to the module are properly insulated from human contact.