

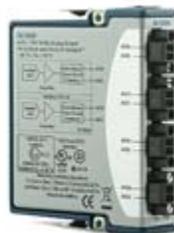


Technical Sales
 Canada
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NI 9269

Channel-to-Channel Isolated 10 V Analog Output Module

- 250 Vrms channel-to-channel isolation
- 100 kS/s/ch simultaneous update rate (333 kS/s one channel)
- ±10 V range (stack channels for up to ±40 V)
- 16-bit resolution
- 40 to 70 °C operating range



Overview

The NI 9269 is a four-channel, 100 kS/s per channel, channel-to-channel isolated module for the CompactRIO and NI CompactDAQ C Series chassis. Similar to the NI 9263 module, the NI 9269 adds channel-to-channel isolation for increased safety, improved signal quality, and the ability to stack channels to output up to 40 V.

NI CompactDAQ support has been added as of NI-DAQmx version 9.1

Channel-to-channel isolation is commonly needed for applications that have multiple electrical systems, such as automotive test, or industrial applications that are subjected to increased noise and often contain multiple ground planes.

Specifications

Specifications Documents

- Specifications
- Data Sheet

Specifications Summary

General

Product Name	NI 9269
Product Family	Industrial I/O
Form Factor	CompactDAQ , CompactRIO
Part Number	781098-01 , 781098-02
Operating System/Target	Windows , Real-Time
Measurement Type	Voltage
Isolation Type	Ch-Ch Isolation
RoHS Compliant	Yes

Analog Input

Channels	0
Single-Ended Channels	0
Differential Channels	0

Analog Output

Channels	4
Resolution	16 bits
Max Voltage	10 V
Maximum Voltage Range	-10 V , 10 V
Maximum Voltage Range Accuracy	6.3 mV
Maximum Voltage Range Sensitivity	0 V
Minimum Voltage Range	-10 V , 10 V
Minimum Voltage Range Accuracy	6.3 mV
Minimum Voltage Range Sensitivity	0 V
Update Rate	100 kS/s
Current Drive Single	10 mA
Current Drive All	20 mA

Digital I/O

Bidirectional Channels	0
Input-Only Channels	0
Output-Only Channels	0

Counter/Timers

Counters	0
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Physical Specifications

Length	9 cm
Width	2.3 cm
I/O Connector	MINI-COMBICON, 3.5 mm (2-Position)
Minimum Operating Temperature	-40 °C
Maximum Operating Temperature	70 °C
Minimum Storage Temperature	-40 °C
Maximum Storage Temperature	85 °C

Timing/Triggering/Synchronization

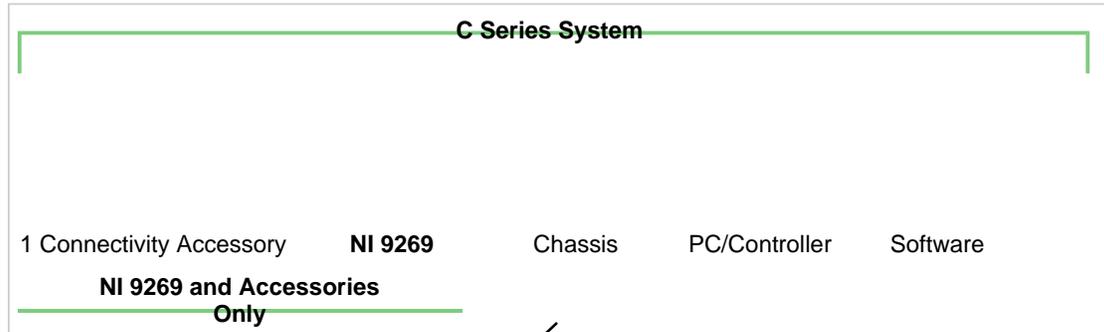
Triggers cDAQ Chassis	No
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Pricing

NI 9269 Packages

To use the NI 9269, you need all items in the diagram below. Select Option 1 if you already own a C Series System, or Option 2 if you do not already own a chassis, controller, or software.

Roll over the icons below to learn why you need each item in the system



Option 1: NI 9269 and Accessories Only

Option 2: C Series System

NI 9269

- Module Only 781098-01 Qty CAD 945 each
- Module with Conformal Coating 781098-02 Qty CAD 1,120 each

Recommended Accessories

- Connectivity Accessory - NI 9971 Strain relief, operator protection (qty 4) - 196375-01 Qty CAD 35 each

Optional Accessories Hide

- NI 9976 Extra screw-terminal block (qty 10) - 196739-01 Qty CAD 35 each

Estimated Shipping Days: 5 - 10

Package Price: CAD 980

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[Save for Later](#)

Select a Platform and Configure a System

Create a complete system with the NI 9269 and its accessories. However, the NI 9269 is compatible with multiple C Series Platforms, NI CompactDAQ and CompactRIO. Please review the comparison information below and select a platform to begin configuring your system.

[Configure System](#)

[Configure System](#)

NI CompactDAQ	CompactRIO
	

Features	Mixed-Measurements Customizable with a variety of chassis and module types. Learn more NI CompactDAQ	Deterministic & Rugged Time-Critical Control & Monitoring Learn more CompactRIO
Bus	USB, Wi-Fi, Ethernet	Ethernet
Operating Temperature	-20 to 50 C	-40 to 70 C
Programming Languages	LabVIEW, C, C++, VB.NET, C#.NET	LabVIEW, LabVIEW RT, LabVIEW FPGA only
System Control	PC Based	Headless Embedded Controller (Standalone or network)
Ruggedness	Laboratory - 30 g shock and 0.3 grms operational vibration	Field Work - 50 g shock (Class I, Div 2 for Hazardous Locations)

You have selected **Canada** as the country where you will use the product(s) (change).

Resources

Additional Product Information

[Manuals \(7\)](#)
[Dimensional Drawings](#)
[Product Certifications](#)

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