NI 9263

4-Channel, 100 kS/s, 16-bit, ±10 V, Analog Output Module

- 4 simultaneously updated analog outputs, 100 kS/s
- 16-bit resolution
- Hot-swappable operation
- -40 to 70 °C operating range
- NIST-traceable calibration

Overview

The National Instruments NI 9263 is a 4-channel, 100 kS/s simultaneously updating analog output module for any NI CompactDAQ or CompactRIO chassis. The NI 9263 also features ±30 V overvoltage protection, short-circuit protection, low crosstalk, fast slew rate, high relative accuracy, and NIST-traceable calibration. The NI 9263 module includes a channel-to-earth ground double isolation barrier for safety and noise immunity.

Specifications

Specifications Documents

- Specifications
- Data Sheet

Specifications Summary

General	
Product Name	NI 9263
Product Family	Industrial I/O
Form Factor	CompactDAQ , CompactRIO
Part Number	779012-01
Operating System/Target	Real-Time , Windows
Measurement Type	Voltage
Isolation Type	Ch-Earth Ground 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	0.11 V
Minimum Voltage Range	-10 V , 10 V
Minimum Voltage Range Accuracy	0.11 V
Update Rate	100 kS/s
Current Drive Single	1 mA
Current Drive All	4 mA
Digital I/O	
Bidirectional Channels	0
Input-Only Channels	0
Output-Only Channels	0
Counter/Timers	
Counters	0
Physical Specifications	
Length	9 cm
Width	2.3 cm
I/O Connector	Screw terminals
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

Pricing

NI 9263 Packages

To use the NI 9263 , 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

C Series System

NI 9263	Chassis	PC/Controller	Software

- Option 1: NI 9263 and Accessories Only
- Option 2: C Series System

NI 9263 Module

Screw Terminal Connectivity Front-Mounted Accessories Cabled Accessories 779012-01	Qty		kr 3 520 each

Optional Accessories Hide

NI 9932 Strain relief backshell and extra connector (qty 1) - 779017-01	Qty	kr 280 each
NI 9936 Extra connectors (qty 10) - 779105-01	Qty	kr 470 each
Compliant Calibration for NI Distributed I/O - 960460-03	Qty	kr 2 560 each

Estimated Shipping Days: 1 - 2
Package Price: kr 3 520

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Save for Later

Select a Platform and Configure a System

Create a complete system with the NI 9263 and its accessories. However, the NI 9263

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

Mixed-Measurements   Deterministic & Rugged
Customizable with a variety of chassis and   Time-Critical Control & Monitoring
module types.   Learn more
Learn more

Features	NI CompactDAQ	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)

The chassis provides rugged, modular housing for your controller (if using CompactRIO) and C Series modules. A high-performance backplane in the chassis contains the system's data, timing, and triggering buses.
The controller runs your application and interfaces with your C Series modules. If you are using the NI CompactDAQ platform, then a Personal Computer (PC) will act as the controller of your system. However, if the CompactRIO platform is used then an embedded real-time controller will be used instead.
You need software to interface with your hardware and to collect, analyze, present, and store your measurements. This device is compatible with a different programming languages depending on the platform used. If you are using the NI CompactDAQ platform then this device is compatible with LabVIEW, C/C++, Visual Basic, and .NET. However, if the CompactRIO platform is used then this device requires the LabVIEW FPGA Module (sold separately), the LabVIEW Real-Time Module (sold separately) and NI-RIO driver software (included with the hardware).
You have selected Sverige as the country where you will use the product(s) (change).

Services

System Assurance Programs

Reduce your setup time and total cost of ownership, and get a system you can use out of the box with National Instruments system assurance programs. System assurance programs include:

- Installation and integration test of all individual hardware
- Courtesy installation of system driver sets and application development environments
- Extended warranty and calibration coverage for up to five years
- Custom documentation plus a custom restore and startup utility

This service is only available for PXI, NI CompactRIO, and NI Compact FieldPoint systems.

- Learn More about System Configuration and Deployment Services [http://www.ni.com/services/configuration.htm]
- Customize Your CompactRIO System [http://ohm.ni.com/advisors/crio]
- Customize Your Compact FieldPoint System [http://ohm.ni.com/advisors/cfp]
- Customize Your PXI System [http://ohm.ni.com/advisors/pxi]
- Talk to an Expert about Custom System Configurations [javascript:openCallMeWindowCTA(document.referrer,%20'US')]

Extended Warranties

National Instruments designs and manufactures all products to minimize failures, however unexpected failures can still occur. Extended warranties provide a fixed economical price at the time of system purchase, covering any repair costs for up to three years. In addition, they offer the following benefits:

- Significant cost savings compared to individual repair incidents
- Fault location, diagnostics, and repair by NI any time the system product fails
- All parts and labor costs covered as well as any adjustments needed to restore the hardware to manufacturing specifications

For more information about your warranty options:

- Learn More about Warranty Services [http://www.ni.com/services/warranty.htm]
- Talk to an Expert about Extended Warranties [javascript:openCallMeWindowCTA(document.referrer,%20'US')]
- View Warranty Repair Policies [http://www.ni.com/services/warranty_repair_policies.htm]

Calibration

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. NI provides manual calibration procedures, services to recalibrate your products, and automated calibration software to calibrate many NI measurement products.

- Learn More about Calibration Services [http://www.ni.com/services/calibration.htm]

Training

NI training is the fastest, most certain route to productivity with NI tools and successful application development.

- Learn More about NI Training and Certification [http://www.ni.com/training/]
- Find a Course Near You and View Schedules [http://sine.ni.com/tacs/app/fp/p/ap/ov/pg/1/]

Repair Services

Return your registered product under warranty at no additional labor and parts cost. NI offers fault location, diagnostics, and repair any time the system fails as well as any adjustments needed to restore the hardware to manufacturing specifications.

- Learn More about Repair Services [http://www.ni.com/services/warranty.htm]
- Contact NI to Obtain a Return Material Authorization (RMA) Form and Shipping Instructions [http://sine.ni.com/apps/utf8/nicc.call_me]
- View Your RMA Support Request Status Online [http://www.ni.com/support/servicereq/]
- Register Your Product [http://www.ni.com/register]

Technical Support

ni.com/support [http://www.ni.com/support/]

Resources

Additional Product Information

- Manuals (7)
- Dimensional Drawings
- Product Certifications

Related Information

- Learn More about CompactRIO
- Configure Your Complete CompactRIO System
- Learn More about NI CompactDAQ
- Configure Your Complete NI CompactDAQ System