

R Series Intelligent DAQ – Data Acquisition and Control with Onboard Processing

Recommended Accessories

High Performance

SHC68-68-RMIO – High-performance shielded 68-conductor cable terminated with a VHDCI 68-pin male connector at one end and a 68-pin female 0.050 D-type connector at the other end that has been specifically designed for the multifunction I/O connector on R Series intelligent DAQ devices.

1 m189588-01
2 m189588-02

SHC68-68-RDIO – High-performance shielded 68-conductor cable terminated with a VHDCI 68-pin male connector at one end and a 68-pin female 0.050 D-type connector at the other end that has been specifically designed for the digital I/O connector on R Series intelligent DAQ devices.

1 m191667-01

SCB-68 – Shielded I/O connector block for rugged, very low-noise signal termination for connecting to 68-pin devices. The SCB-68 also includes two general-purpose breadboard areas.

Dimensions – 19.5 by 15.2 by 4.5 cm (7.7 by 6.0 by 1.8 in.)

SCB-68776844-01

Low Cost

SH68-C68-S – General-purpose shielded cable that connects any type of R Series connector to 68-pin connector blocks.

0.5 m186381-0R5
1 m186381-01
2 m186381-02

Custom Cabling

SHC68-NT-S – Shielded 68-conductor cable terminated with a 68-pin male VHDCI connector at one end and unterminated bare wires at the other. Use this cable, ideal for OEM applications, to create custom cabling solutions for R Series devices.

2 m189041-02

N5C68-262650 – Shielded cable terminated with a VHDCI 68-pin male connector at one end and two 26-pin ribbon connectors and one 50-pin ribbon connector on the other; designed to connect the R Series RMIO connector to standard ribbon cable accessories.

1 m189151-01

N5C68-5050 – Shielded cable terminated with a VHDCI 68-pin male connector at one end and two 50-pin ribbon connectors on the other; designed to connect R Series RDIO connectors to standard ribbon cable accessories.

1 m189152-01

Required Software for R Series Intelligent DAQ

- NI 781xR and 783xR devices require the LabVIEW FPGA Module 7.1 or later and NI-RIO 1.3 or later driver software.
- NI 784xR and 785xR devices require the LabVIEW FPGA Module 8.5.1 or later and NI-RIO 2.4 or later.
- NI 7853R and 7854R devices require the LabVIEW FPGA Module 8.6 or later and NI-RIO 3.0 or later.

Low-Cost Signal Conditioning and Channel Expansion

The NI cRIO-9151 R Series expansion chassis connects directly to any digital connector on R Series devices and houses up to four C Series I/O modules for industrial signal conditioning, I/O channel expansion, and direct sensor connectivity.

Ordering Information

PCI

NI PCI-7811R.....779363-01
NI PCI-7813R.....779370-01
NI PCI-7830R.....779361-01
NI PCI-7831R.....778797-01
NI PCI-7833R.....779359-01

PXI

NI PXI-7811R.....778800-01
NI PXI-7813R.....779362-01
NI PXI-7830R.....779364-01
NI PXI-7831R.....778668-01
NI PXI-7833R.....779360-01
NI PXI-7841R.....780337-01
NI PXI-7842R.....780338-01
NI PXI-7851R.....780339-01
NI PXI-7852R.....780340-01
NI PXI-7853R.....780341-01
NI PXI-7854R.....780342-01

Includes NI-RIO driver software.

BUY NOW!

For complete product specifications, pricing, and accessory information, call 800 813 3693 (U.S.) or go to ni.com/rseries.

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