

CompactRIO Accessories and Cables

SH68-C68-S Cable – for connecting an NI cRIO-9151 R Series expansion chassis to the digital port on a PCI or PXI R Series device. You can connect up to two cRIO-9151 chassis to an NI 7831R device, and up to four cRIO-9151 chassis to a PXI-7811R device.



Note: Use only the SH68-C68-S digital cable with the cRIO-9151 chassis.

DIN-Rail Mounting Kits – for mounting 4 or 8-slot CompactRIO embedded chassis or cRIO-9151 R Series expansion chassis to any standard 35 mm DIN rail. For high shock and vibration applications, NI recommends a panel mounting configuration rather than DIN rail. Panel mounting holes are built into all CompactRIO Chassis. For detailed mounting instructions, refer to the CompactRIO Installation Instructions manual for your chassis.



cRIO-9912	DIN-rail mounting kit for 4-slot CompactRIO chassis (embedded or expansion)
cRIO-9915	DIN-rail mounting kit for 8-slot CompactRIO chassis (embedded or expansion)

Power Supplies

NI offers a variety of UL approved industrial power supplies. The PS-5 is a DIN-rail-mountable 24 VDC power supply that provides 5 A of current and is rated for operation from -25 to 60 °C. Two PS-5 supplies can be wired in parallel to provide up to 10 A. The PS-5 is recommended for heavy-duty industrial installations. The PS-4 is a DIN-rail-mountable 24 V power supply in FieldPoint packaging. The PS-3 and PS-2 are power supply “bricks” with a universal IEC power input. The PS-3 can also operate as a float charger for 12 VDC batteries. The PS-1 is a wall-mount power supply.



Power Supply	Output Capacity	Input Voltage
PS-1	20 VDC, 0.8 A	120 VAC
PS-2	24 VDC, 0.8 A	Japan 100 VAC/US 120 VAC North American 240 VAC
PS-3	13.8 VDC, 4 A	Japan 100 VAC/US 120 VAC North American 240 VAC
PS-4	24 VDC, 0.625 A	UPI
PS-5	24 VDC, 5 A	UPI



cRIO-9935 15-Pin Connector Kit

Connectivity Accessories

The CompactRIO system is designed to provide flexible options for low cost field wiring and cabling. The cRIO-9932 kit provides strain relief and operator protection from high-voltage signals for any 10-position screw terminal module. The cRIO-9935 (or other 15-pin D-Sub connector) is required for use with the cRIO-9411 module. The cRIO-9935 includes a screw terminal connector with strain relief as well as a D-Sub solder cup backshell for creating custom cable assemblies. The cRIO-9936 consists of 10 screw terminal plugs for any 10-position screw terminal module. The cRIO-9937 consists of ten 4-position power supply plugs for CompactRIO real-time controllers.

Product	Description
cRIO-9932	Strain relief and high-voltage connector kit, 10-position screw-terminal
cRIO-9933	37-pin connector kit with strain relief
cRIO-9934	25-pin connector kit with strain relief
cRIO-9935	15-pin connector kit with strain relief
cRIO-9936	10-position screw-terminal plugs (quantity 10)
cRIO-9937	4-position controller power supply plugs (quantity 10)

Note: To meet shock and vibration requirements, you must affix ferrules to the ends of the wires on all screw terminal connectors.



cRIO-9937
Power Supply Plugs



cRIO-9932 Strain Relief and
High-Voltage Connector Kit



cRIO-9936 10-position
screw terminal plugs

Visit ni.com/compactrio for up-to-date information on availability of accessories.

For ordering information, see page 381.

CompactRIO Ordering Information

Ordering Information

Developer Kits

NI cRIO-9961 Embedded System Developer Hardware Evaluation Kit	779107-01
NI Reconfigurable I/O Software Development Kit	779149-03

Reconfigurable Embedded Systems

Real-Time Controllers

NI cRIO-9002	779000-01
NI cRIO-9004	779055-01

Reconfigurable Chassis

NI cRIO-9101	779052-01
NI cRIO-9102	779007-01
NI cRIO-9103	779053-01
NI cRIO-9104	779054-01

Power Supplies

NI PS-1	777567-01
NI PS-2	
Japan 100 VAC/US 120 VAC	777584-01
North American 240 VAC	777584-05
NI PS-3	
Japan 100 VAC/US 120 VAC	777585-01
North American 240 VAC	777585-05
NI PS-4	778586-90
NI PS-5	778805-90

R Series Expansion Systems

Expansion Chassis

NI cRIO-9151 chassis	779008-01
SH68-C68-S cable, 2 m	186381-02

R Series Devices

NI PXI-7811R Digital I/O	778800-01
NI PXI-7831R Multifunction I/O	778668-01
NI PCI-7831R Multifunction I/O	778797-01

Input/Output Modules¹

Analog Input Modules

NI cRIO-9201	779013-01
NI cRIO-9211	779001-01
NI cRIO-9215	779011-01
NI cRIO-9221	779014-01
NI cRIO-9233	779015-01

Analog Output Module

NI cRIO-9263	779012-01
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Digital Input and Counter/Timer Modules

NI cRIO-9411	779005-01
NI cRIO-9421	779002-01
NI cRIO-9423	779009-01
NI cRIO-9435	779010-01

Digital Output and Relay Modules

NI cRIO-9472	779004-01
NI cRIO-9474	779003-01
NI cRIO-9481	779006-01

Accessories

NI cRIO-9912	779019-01
NI cRIO-9915	779018-01
NI cRIO-9932	779017-01
NI cRIO-9933	779103-01
NI cRIO-9934	779104-01
NI cRIO-9935	779016-01
NI cRIO-9936	779105-01
NI cRIO-9937	779106-01

Ethernet Cables

CAT5	
5 m	182219-05
CAT5 Crossover	
5 m	187375-05

¹Visit ni.com/compactrio for up-to-date information on module availability.

BUY NOW!

For complete product specifications, pricing, and accessory information, call (866) 265-9891 (U.S. only) or go to ni.com and search on a four-digit model number listed above.