



Powerful Network Link

Extremely low power
consumption

Overview

Campbell Scientific's NL200 is a powerful network link interface that provides a wired Ethernet network connection to dataloggers and peripherals. It allows our dataloggers, as well as other serial devices, to communicate over a local area network or a dedicated Internet connection. Additionally,

the NL200 supports sophisticated networking capabilities, especially when used in PakBus networks with PakBus devices. For example, with the NL200, multiple PakBus clients can be connected to a single datalogger at the same time.

Benefits and Features

- › Low power consumption
- › Three year extended warranty available on this product

Technical Description

The NL200 Network Link Interface allows Campbell Scientific dataloggers to communicate over a local area network or a dedicated Internet connection. This Ethernet interface can be connected to either the datalogger's CS I/O port or RS-232 port.

The NL200 Network Link Interface is a device used to communicate with Campbell Scientific dataloggers and peripherals using an Ethernet 10/100 Mbps communications link. The NL200 includes a CS I/O port and a RS-232 port for

communication. A USB device port is used for configuring the NL200 device.

The NL200 can be configured to bridge Ethernet and CS I/O communications allowing access to the internal IP functionality of the CR800/850, CR1000, and CR3000 (e.g., web page access, email, FTP). Alternatively, the NL200 can be configured to act as a Serial Server and/or a PakBus Router. Additionally, the NL200 can act as TLS Proxy Server.

Specifications

Power Connector	DC Barrel
Power Requirements	7 to 20 Vdc (not powered via CS I/O or USB)

Operating Temperature Range	-25° to +50°C
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Configuration	› Device Configuration Utility over USB or Ethernet
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CS I/O Port	› Telnet console over Ethernet SDC 7, 8, 10, or 11 (does not support ME)
RS-232 Port	DTE
USB Port	Micro-B
Ethernet Port	IEEE 802.3, Auto-MDIX, IPv4, TCP, DHCP, Ping, Telnet, TLS, PakBus
Compliance	› Meets requirements for a Class B device under European standards. › Magnetic Isolation, ESD and Surge tested › RoHS
Application of Council Directive(s)	2004/108/EC
Standards to Which Conformity Is Declared	EN61326-1;2006
Connections/Routes Supported	› Supports 50 simultaneous TCP connections.

	› PakBus Router supports 50 routes. › Up to 10 of the 50 TCP connections can be used for TLS.
Dimensions	16 x 6.73 x 2.54 cm (6.3 x 2.65 x 1 in.)
Weight	177 g (6.3 oz)

Current Drain

Active	50 mA (@ 13 Vdc)
Forced Standby	2 mA (available when using Ethernet-to-CS I/O Bridge Mode)

Communication Rate

RS-232 DTE Port	1200 to 115.2k bps
CS I/O Port	9600 to 460.8k bps
Ethernet	10/100 Mbps

For comprehensive details, visit: www.campbellsci.eu/nl200 



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