



NL121

Ethernet Interface



Adds Ethernet Connectivity

Connect a CR1000 or CR3000 to an IP network

Overview

The NL121 is the easiest and lowest-cost way to add an Ethernet interface connection to your CR1000 or CR3000. This small device, about the size of a deck of cards, simply plugs onto the data logger's peripheral port. Through the NL121, you can access the Internet capabilities of your data logger, such as

PakBus, Modbus, and DNP3 over TCP, as well as web, email, file transfer, and cloud-based application clients. You can collect from and control your data logger over any standard IP network—within your office or across the Internet.

Benefits and Features

- ▶ The easiest way to add Ethernet to a CR1000 or CR3000
- ▶ Provides a native Ethernet connection, allowing the data logger to communicate directly using a variety of Internet protocols
- ▶ Integrated protection for surge and ESD
- ▶ Data-logger-controlled power management for low-power operation

Specifications

Transmission Distance or Area	Worldwide
Data Logger Interface	40-pin peripheral port on CR1000 or CR3000
Ethernet	10/100 Mbps, auto-detect 10BaseT/100Base-TX, full/half duplex, IEEE 802.3, auto MDI/MDI-X
Power Source	12 V from data logger 40-pin peripheral port
Power Consumption	▶ 58 mA (typical)

	▶ 3 mA (Ethernet off)
Operating Temperature Range	-40° to +70°C
Service Requirements	Ethernet access
Dimensions	10.2 x 6.4 x 2.8 cm (4.0 x 2.5 x 1.1 in.)
Weight	66.62 g (2.35 oz)

Compliance

Application of Council Directive(s)	2004/108/EC Electromagnetic Compatibility Directive (EMC)
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2011/65/EU

The Restriction of Hazardous
Substances Directive (RoHS2)

control and laboratory use (EMC
requirements – for use in industrial
locations)

Product Standard

EN 61326-1:2013 – Electrical
Equipment for measurement,

For comprehensive details, visit: www.campbellsci.com/nl121 



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