

**NL121**

Ethernet Module



Adds Ethernet Connectivity

Connect 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 datalogger's peripheral port. Through the NL121, you can access the Internet capabilities of the datalogger 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 datalogger over any standard IP network, within your office or across the Internet.

Benefits and Features

- › Easiest way to add Ethernet to a CR1000 or CR3000
- › Native Ethernet connection that allows the datalogger to communicate directly using a variety of Internet protocols
- › Integrated protection for surge and ESD
- › Datalogger controlled power management for low power operation

Ordering Information

Ethernet Module

NL121 Ethernet Module for CR1000 or CR3000 dataloggers.

Temperature Range Options (choose one)

- ST** Tested -40° to +70°C
- XT** Tested -40° to +85°C

Warranty (choose one)

- SW** Standard 1 year warranty
- XW** 4 year warranty extension (total warranty period of 5 years).

Ethernet Cables

- 28900** 10 ft Ethernet cable. Recommended for external hub or PC connections.
- 28899** 2 ft Ethernet cable. Recommended for connecting a device inside the same enclosure.
- 28898** 6 in Ethernet cable. Recommended for connecting a device mounted right next to the NL121.

questions & quotes: 435.227.9100

www.campbellsci.com/nl121



Specifications

- Datalogger Compatibility: CR1000 or CR3000 using OS 28 or later
- Datalogger 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 datalogger's peripheral port
- Power Requirements: 12 V supplied through the datalogger's peripheral port
- Power Consumption: 58 mA typical, 3 mA Ethernet off
- 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 Information

- Application of Council Directive(s): 2004/108/EC Electromagnetic Compatibility Directive (EMC)
- Product Standard:
EN 61326-1:2013 – Electrical Equipment for measurement, control and laboratory use
EMC requirements – for use in industrial locations
- 2011/65/EU: The Restriction of Hazardous Substances Directive (RoHS2)

