



Adds Connectivity

Connects dataloggers to LAN
or Internet via Ethernet

Overview

Campbell Scientific's NL120 allows a CR1000 or CR3000 datalogger to communicate over a local network or a dedicated Internet connection via TCP/IP. This 10baseT

Ethernet module connects directly with the 40-pin peripheral port on a CR1000 or CR3000. It is the smallest Ethernet module available for those dataloggers.

Benefits and Features

- › Compatible with our CR1000 and CR3000 dataloggers
- › Ethernet connection allows for datalogger communications over a local area network or the Internet via TCP/IP
- › Smallest Ethernet module available for the CR1000 and CR3000 dataloggers

Ethernet Communications

A 10baseT Ethernet straight through cable is used when the cable is run from a hub to the NL120. A 10baseT Ethernet crossover cable is used if the cable is run directly from the computer to the NL120. For cable lengths longer than 3 metres, the 10baseT Ethernet cable should be shielded.

The NL120 is set up using the Device Configuration utility (DevConfig). DevConfig is bundled with our PC400, RTDAQ and LoggerNet software and is available, at no charge from: www.campbellsci.com/downloads

Specifications

- › Power Requirements: 12 V supplied through the datalogger's peripheral port
- › Typical Current Drain: 20 mA
- › 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)

Temperature Range

- › Standard: -25° to +50°C
- › Extended: -40° to +85°C

EMI and ESD Protection

- › Meets requirements for a class A device under European Standards
- › Application of Council Directive(s): 89/336/EEC as amended by 89/336/EEC and 93/68/EEC
- › Standards to which Conformity is Declared: EEN55022-1; 1995 and EN50082-1: 1992

Software Requirements

- › LoggerNet: Version 3.2 or later
- › PC400: Version 1.3 or later
- › DevConfig: Version 1.5 or later

Ordering Information

Ethernet Interface and CompactFlash® Module

NL120 Ethernet Interface for CR1000 or CR3000 dataloggers.

Temperature Range Options (choose one)

- ST Tested -25° to +50°C
- XT Tested -40° to +85°C

Ethernet Cables

- 007006** 10baseT Ethernet straight through cable (2 m). Recommended when the cable is run from a hub.
- 007018** 10baseT Ethernet crossover cable (3 m). Recommended if the cable is run directly from the computer.

Surge Protector

009003 Ethernet Surge Protector helps protect device from electrical surges. A straight-through Ethernet cable is required to connect the 009003 to the NL120. Another Ethernet cable is used to connect the 009003 to the computer or hub.

CR1000

NL120 connects directly to the peripheral port

