

**NL120**

Ethernet Module



Adds Connectivity

Connects dataloggers to LAN
or Internet via Ethernet

Overview

The NL120 allows the datalogger to communicate over a local network or a dedicated Internet connection via TCP/IP. This small,

rugged communication device connects directly to the 40-pin peripheral port on a CR1000 or CR3000 datalogger.

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

The NL120 allows the datalogger to communicate over a local network or a dedicated Internet connection via TCP/IP. A 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 9 feet, either a shielded cable or the 28033 surge protector needs to be used.

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

questions & quotes: 435.227.9000

www.campbellsci.com/NL120

Ordering Information

Ethernet Module

NL120 Ethernet Module for CR1000 or CR3000 dataloggers.

Temperature Range Options (choose one)

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

Surge Protector

28033 Ethernet Surge Protector helps protect device from electrical surges. A straight-through Ethernet cable is used to connect the 28033 to the NL120. Another Ethernet cable such as the 28898 or 28899 is used to connect the 28033 to the computer or hub.

Ethernet Cables

- 28900** CAT5e, unshielded straight through cable (10 ft). Recommended if the cable is run from a hub.
- 13659** CAT5e, 10baseT crossover cable (7 ft). Recommended if the cable is run directly from the computer.
- 28898** CAT5e, unshielded straight through cable (6 in). This cable is often used with the 28033 Surge Protector
- 28899** CAT5e, unshielded straight through cable (2 ft). This cable is often used with the 28033 Surge Protector

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

