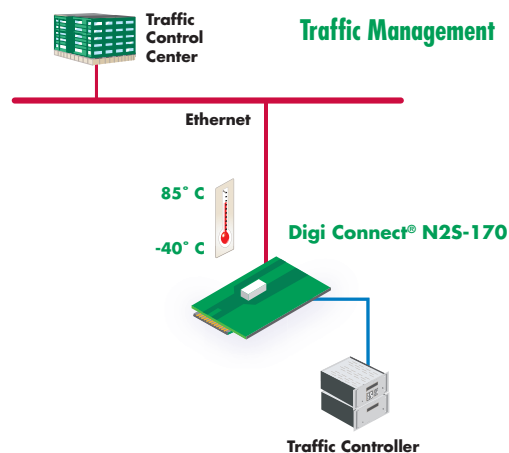
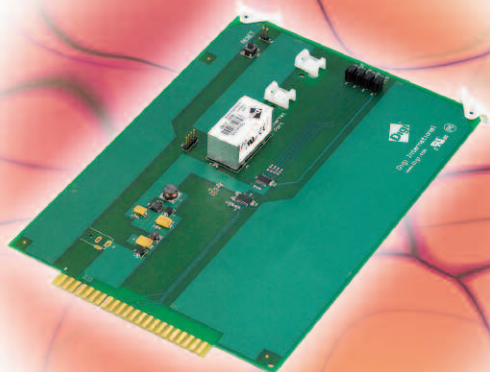


# Digi Connect<sup>®</sup> N2S-170

Ethernet Network Controller

Intelligent and highly integrated Model 400 modem card-compatible solution for Model 170 traffic signal controller equipment. Offers secure and reliable serial-to-Ethernet connectivity and seamless integration.



## Features/Benefits

- **Designed for Model 170 traffic signal controller equipment**
- **Form factor compatible with Model 400 modem cards**
- **Seamless network-to-serial conversion**
- **10/100 Mbit Ethernet network interface**
- **Easy configuration through web interface**
- **Serial interface supports data rates from 300 bps up to 230 kbps**
- **Patented RealPort<sup>®</sup> COM port redirection**
- **Strong NIST-certified data encryption**
- **Industrial operating temperature range**
- **Conformal coated for moisture and corrosion resistance**
- **Lead-free and RoHS compliant design**
- **UL/UR safety mark**
- **Five-year product warranty**

## Overview

Built on leading Digi Connect ME<sup>®</sup> embedded device server technology, the Digi Connect N2S-170 card is an intelligent and highly integrated Ethernet network controller solution for Model 170 traffic signal controller equipment. It delivers reliable network connectivity for Model 170 equipment in a Model 400 modem card-compatible form factor.

Easy web-based configuration, a robust TCP/IP stack with universal IP address assignment capabilities, Digi's patented RealPort COM/TTY port redirection, custom Java applet support, enhanced security options based on SSL/TLS with NIST-certified encryption, and intelligent device management options make the Digi Connect N2S-170 an ideal and future-proof choice for traffic management and control applications.

## Features/Specifications

### HARDWARE

- Designed for Model 170 controller equipment
- Model 400 modem card compatible form factor
- Integrated Digi Connect ME device server
  - 32-bit NS7520 NET+ARM processor
  - 4 MB Flash / 8MB SDRAM
  - 10/100 Mbit Ethernet interface
  - High-speed serial interface

### ETHERNET INTERFACE

- Connector: RJ-45
- Physical layer: 10/100Base-T
- Data rate: 10/100 Mbps (auto-sensing)
- Mode: Full or half duplex (auto-sensing)

### LEDS

#### Ethernet

- Network Link Status
- Network Activity

#### Serial

- Data Out (TXD)
- Data In (RXD)
- Data Carrier Detect (DCD)
- Ready to Send (RTS)

### SOFTWARE

- Robust on-board TCP/IP stack
- Universal IP address assignment
  - Static IP, DHCP, Auto-IP
- Secure web user interface (HTTP/HTTPS) with context-sensitive online help
- Telnet command line interface
- Pre-defined and custom device profiles
- Modem emulation and port logging
- Network service/port control (port block)
  - HTTP
  - Telnet
  - RealPort
  - SSL/TLS
  - TCP/UDP
  - Other
- TCP/UDP forwarding characteristics
  - Bytes, idle time, data pattern
- User-configurable TCP/UDP Socket ID
- Data pattern event notification via email/SNMP traps
- Intelligent SNMP device management capabilities
- Strong SSL/TLS base encryption
  - DES (56-bit)
  - 3DES (168-bit)
  - AES (128/256-bit)
- Patented RealPort COM/TTY port redirection for Microsoft® Windows®, UNIX® and Linux® environments

### ENVIRONMENTAL

- Storage temperature: -50° C to 125° C (-58° F to 257° F)
- Operating temperature: -40° C to 85° C (-40° F to 185° F)
- Relative humidity: 5% to 90% (non-condensing)
- Altitude: 12,000 feet (3,658 meters)
- Conformal coated PCA

### POWER REQUIREMENTS

- 12V @ 100 mA max

### REGULATORY APPROVALS

- UL/UR

### DIMENSIONS

- Length: 9.00 in (22.86 cm)
- Width: 6.25 in (15.88 cm)
- Height: 0.74 in (1.87 cm)

### MODEL.....PART NUMBERS

#### Model

Digi Connect N2S-170 Card (single-pack)  
Digi Connect N2S-170 Card (10-unit bulk pack)

#### North America

DC-N2S-170-S  
DC-N2S-170-S-10