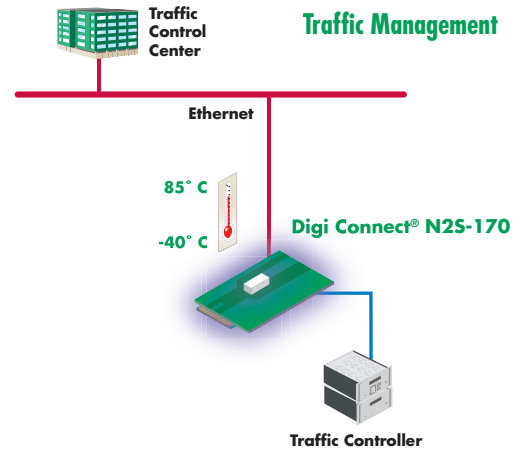


Digi Connect[®] N2S-170

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[®] COM port redirection
- Strong NIST-certified data encryption
- Industrial operating temperature range
- Lead-free and RoHS compliant design
- UL/UR safety mark
- Five-year product warranty

Overview

Built on leading Digi Connect ME[®] 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)

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

DIGI SERVICE AND SUPPORT - You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. www.digi.com/support

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Digi International, the leader in device networking for business, develops reliable products and technologies to connect and securely manage local or remote electronic devices over the network or via the web. With over 20 million ports shipped worldwide since 1985, Digi offers the highest levels of performance, flexibility and quality.

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