DIGI CONNECT® N2S-170

Intelligent and highly integrated Model 400 modem card-compatible solution for Model 170 traffic signal controller equipment

Built on leading Digi 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 Model 400 modem card-compatible from factor.

Easy web-based configuration, a robust TCP/IP stack with universal IP address assignment capabilities, and Digi's patented RealPort software provides a virtual connection to the Digi Connect N2S-170, no matter where it resides on the network. The software is installed directly on the host and allows applications to talk to devices across a network as though the devices were directly attached to the host. In actuality, the devices are connected to a Digi device server or terminal server somewhere on the network.

RealPort® COM/TTY port redirector, 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 future-proof choice for traffic management and control applications.

BENEFITS

- Designed for Model 170 traffic signal controller equipment
- Form factor compatible with Model 400 modem cards
- Seamless network to serial conversion
- 10/100Mbit Ethernet network interface
- Strong NIST-certified data encryption
- Industrial operating temperature range
- Conformal coated for moisture and corrosion resistance
- Easy web-based configuration
- Patented RealPort for COM/TTY port redirection and control

APPLICATION EXAMPLE

TRAFFIC MANAGEMENT CONTROL CENTER

Ethernet

DIGI CONNECT® N2S-170

Traffic Controller

RELATED PRODUCTS

PortServer® TS Hcc

ConnectPort® TS 8/16

Digi Connect® SP

RealPort®

SPECIFICATIONS	Digi Connect® N2S-170
HARDWARE	
COMPATIBILITY	Model 400 modem card-compatible form factor
INTEGRATED DIGI CONNECT ME	32-bit NS7520 NET+ARM processor; 4 MB Flash / 8MB SDRAM; 10/100 Mbit Ethernet interface; High-speed serial interface
LEDS	Ethernet: Network link, Network Status; Serial: Data Out (TXD), Data In (RXD), Data Carrier Detect (DCD), Ready to Send (RTS)
DIMENSIONS (L X W X H)	9.00 in x 6.25 in x 0.74 in (22.86 cm x 15.88 cm x 1.87 cm)
ETHERNET INTERFACE	
CONNECTOR	RJ-45
PHYSICAL LAYER	10/100Base-T
DATA RATE	10/100 Mbps (auto-sensing)
MODE	Full or Half duplex (auto-sensing)
SOFTWARE	
MANAGEMENT	HTTP/HTTPS, Telnet, SNMP, RealPort, SSL/TLS, TCP/UDP
PROTOCOLS	Telnet, Reverse Telnet, RFC2217, TCP/UDP Socket Services, DHCP/RARP, Auto-IP, Static IP for IP address assignment
OPERATING SYSTEMS	Patented RealPort for COM/TTY ports for Microsoft® Windows®, UNIX® and Linux®
SECURITY	HTTP/HTTPS; SSL/TLS encryption: DES (56-bit), 3DES (168-bit), AES (128/256-bit)
OTHER	Modem emulation; Port logging; Robust on-board TCP/IP stack with built-in web server; Pre-defined and custom device profiles; Data pattern event notification via email/SNMP traps; TCP/UDP forwarding characteristics: Bytes, Idel time, Data pattern
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	Yes
POWER REQUIREMENTS	
POWER INPUT	12V @ 100 mA max
REGULATORY APPROVALS	
UL/UR	Yes

PART NUMBERS	DESCRIPTION
DC-N2S-170-S	Digi Connect N2S-170 Card (single-pack)

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