



NETWORK ENABLE
MODEL 170 TRAFFIC
CONTROLLER



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 form 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

RELATED PRODUCTS



PortServer[®]
TS Hcc



ConnectPort[®]
TS 8/16



Digi Connect[®]
SP



XPress[™] Wireless
Ethernet Bridge



RealPort[®]

APPLICATION EXAMPLE



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, Idle 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)
DC-N2S-170-S-10	Digi Connect N2S-170 Card (10-unit bulk pack)

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DIGI INTERNATIONAL WORLDWIDE HQ
877-912-3444 / 952-912-3444 / www.digi.com

DIGI INTERNATIONAL GERMANY
+49-89-540-428-0

DIGI INTERNATIONAL JAPAN
+81-3-5428-0261 / www.digi-intl.co.jp

DIGI INTERNATIONAL SINGAPORE
+65-6213-5380

DIGI INTERNATIONAL CHINA
+86-21-50492199 / www.digi.com.cn

