



ICN Communication Link for MOD 30, MOD 30ML & MODCELL

- Computer interface device for ICN Networks
- Up to 2 ICN Networks per link
- Two RS-232 ports for redundant host communications.
- Provides maximum data control security and protection through comprehensive diagnostics



ICN Communication Link for MOD30, MOD30ML & MODCELL

The 1733N Mini-Link/EXT provides communications interface between the Instrument Communications Network (ICN) and host computers via RS-232. It supports up to two ICN's with as many as 15 MOD30, MOD 30ML or MODCELL instruments on each ICN. Two RS-232 serial ports are provided for connection to personal computers, allowing multiple masters, redundant communications or improved performance to a single PC. The mini-link performs diagnostic checks for message validity, ensuring secure communication.

The 1733N Mini-Link/EXT is an external device which provides communications support for up to two ICNs (up to 30 instruments).

Connection to the ICN is made to the back of the Mini-Link/EXT using the connections provided. There are two RS-232 serial ports available on the Mini-Link/EXT for connection to the serial port of the personal computer, using a 9- or 25-pin RS-232 cable.

ICN Interface Expansion Board

The 1732N ICN Interface Expansion Board is an ICN controller card only and is used to expand the 1733N to two Instrument Communication Networks in the event the optional board was not originally specified.

GENERAL COMMUNICATION EQUIPMENT PERFORMANCE SPECIFICATIONS

I/O Ports	2, independent
Baud Rate	1200, 1800, 2000, 3400, 3600, 4800, 7200, 9600, 19,200 (switch selectable)
Stop Bits	1 or 2 (switch selectable)
Parity Selection	Even or odd (switch selectable)
Handshaking	CTS and RTS (switch selectable usage)
Hardware Data Checking	
Data Base	Cyclic redundancy check
Between Boards	Xor checksum
To/From Processor Ports	Checksum+even/oddparity
To/From ICN Interface ICN Bus	Cyclic redundancy check
Timers	
Watchdog Activity Timer	Present on link processor and each ICN interface
Message Timers	Present in software

MINI-LINK/EXT SPECIFICATIONS**Power Requirements**

Input 85-250V rms Universal Input
Output 5V, 2A
Dissipation 15W @ 120V

Communications Connections

Rear faceplate (1) DB9 and (1) DB25 For Serial
Rear faceplate (2) DB9 female for ICN
communications
AC power connection

Ambient Temperature

Operating +32 to 140°F (0-60°C)
Storage -40 to 85°F (-40 to 185°C)

Relative Humidity

5 to 90% RH at 32°C

Dimensions

Length* 9.68 inches (245.87 mm)
Width 6.30 inches (160.02 mm)
Height 2.75 inches (69.85 mm)

* Includes connector hardware

Hardware Requirements

640K memory minimum
1 RS-232 Serial Port
1 RS-232 9- or 25-pin cable

NOTES

Ordering Information

1731N Mini-Link/AT for IBM AT Compatible Computers

- Mini-Link/AT for IBM AT Compatible Computers, One ICN 1731NZ10101A
- Mini-Link/AT for IBM AT Compatible Computers, Two ICNs 1731NZ10201A

1732N ICN Interface Expansion Board

- ICN Interface Expansion Board 1732NZ10001A
(Only used when adding an ICN to an existing 1731N or 1733N)

1733N Mini-Link/EXT

- Mini-Link/EXT for portable, laptop and IBM PS/2 computers, One ICN 1733NZ10101A
- Mini-Link/EXT for portable, laptop and IBM PS/2 computers, Two ICNs 1733NZ10201A

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Printed in USA (05.5.04)

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Application-smart control solutions

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