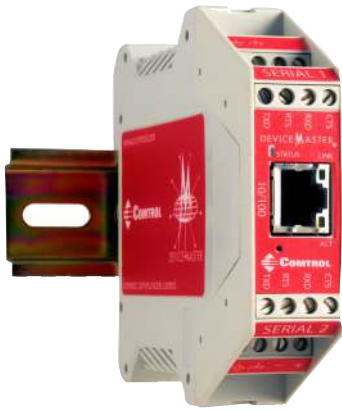




DeviceMaster® PNIO-2202

Part Number: 99534-0



DEVICE SERVER

KEY FEATURES AND BENEFITS

- Provide PLC connectivity – to standard serial devices with protocol support for PROFINET IO and TCP/IP
- Supported PLCs: Siemens SIMATIC S7-300, S7-400, S7-1200, S7-1500, and ET 200 CPUs that support the extended PROFINET diagnostics.
- Wide (- 37° to 74°C) Industrial Temperature Range
- Variable power input – eliminates need for power converters
- PortVision® DX monitoring and management software
- RoHS2 compliant under CE
- Security Features – SSL & SSH management, SSL serial data stream encryption

PRODUCT DESCRIPTION

At Control, we believe gateways should be intelligent, robust, and easy to use.

The DeviceMaster PNIO-2202 provides innovative PROFINET IO connectivity to a wide variety of devices. It can enable you to quickly connect PLCs, SCADA, OPC Servers and applications to devices such as barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, HVAC and sensors.

With its simplified web-based configuration pages and informative diagnostic information, the DeviceMaster PNIO-2202 provides the functionality required to make your networks and systems most efficient.



connect. communicate. control.

DEVICEMASTER PNIO-2202 SPECIFICATIONS

HARDWARE

Bus Interface Specification

10/100 BASE-T	
Memory	
SDRAM	8 MB
Flash	4 MB

Enclosure

UL94-V0 Plastic
Installation Method
DIN Rail (35mm)

LED Indicators

Ethernet Activity, Link and Status

Enclosure Dimensions

4.37" x 3.9" x .89"

Product Weight

4.6 oz

ELECTRICAL SPECIFICATIONS

DC Input Voltage

5-30 V

Current Consumption +24 VDC

60 mA

Power Consumption (max)

1.5 W

ESD Surge Protection (min)

Minimum 25KV for all serial lines. All ethernet components are rated to 1.5kV magnetic surge protection.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature

-37 to 74°C

Storage Temperature

-40 to 85°C

Operating Humidity (non-condensing)

5% to 95%

Altitude

0 to 10000 Feet

Heat Output

5.0 BTU/Hr

Mean time between failures

58.57 Years

SERIAL COMMUNICATIONS

Connector Type

Screw Terminal Blocks

Number of Ports

2

Interface Standard

RS-232, RS-422, RS-485, RS-485 2-Wire
RS-485 4-Wire Master, RS-485 4-Wire Slave

Baud Rates

300 to 230.4Kbps

Transmit Buffer

256 Bytes

Receive Buffer

1024 Bytes

Data Bits

5, 6, 7 or 8

Parity

None, Even, Odd, Mark, Space

Stop Bits *

1, 1.5 (with 5 data bits) or 2

Flow Control

None, RTS/CTS, Xon/Xoff, Half-Duplex

* Stop bit 1.5: Supported only when used with 5 data bits

ETHERNET SPECIFICATIONS

Network Protocols

ARP, BOOTP, DHCP, HTTP, ICMP, Ping, RARP, RFC 1006, (ISO over TCP), RFC 2217, SNMP (MIB-II), TCP/IP, Telnet, TFTP, and UDP socket services

Connector Type

RJ45F Auto MDI/MDI-X

Number of Ports

1

PROFINET IO FEATURES

Supported PLCs

Including but not limited to:
Siemens SIMATIC S7-300, S7-400, S7-1200, S7-1500, and ET 200 CPUs that support the extended PROFINET diagnostics (listed here)

Key Features

- Connectivity – connect serial and Ethernet TCP/IP devices to PROFINET IO controllers and TCP/IP applications
- 8ms to 512ms IO cycle update time – supports high-speed devices and also ensures PLC can process each received data packet
- Intelligent packet identification – start and end of transmission character detection/removing/appending
- Received packet size control – truncate, drop, or save oversized packets as record data
- Large received packet support – up to 1518 bytes serial and 2048 bytes Ethernet TCP/IP
- Shared Device function – different ports can be shared between two PLCs

Diagnostics

Yes

GSDML file

Yes

EXPORT INFORMATION

Packaged Shipping Weight

0.91 lbs

Package Dimensions

9.25" x 2.5" x 7.25"

UPC Code

7-56727-99534-0

Country of Origin

USA

ECCN

5A992

Schedule B Number

8471.80.1000

REGULATORY STANDARDS

Emission

CANADIAN EMC REQUIREMENTS

ICES-003

European Standard EN55022

FCC PART 15 SUBPART B

CLASS A LIMIT

AS/NZS CISPR 22

Immunity

European Standard EN55024

IEC 1000-4-2/EN61000-4-2: ESD

IEC 1000-4-3/EN61000-4-3: RF

IEC 1000-4-4/EN61000-4-4: Fast Transient

IEC 1000-4-5/EN61000-4-5: Surge

IEC 1000-4-6/EN61000-4-6: Conducted Disturbance

IEC 1000-4-8/EN61000-4-8: Magnetic Field

IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

Safety

IEC 60950/EN60950

CSA C22.2 No. 60950/UL60950 Third Edition

NEMA TS2 Compliant

FEATURES

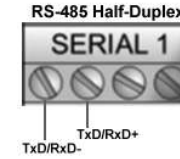
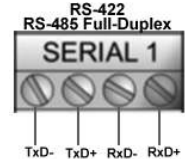
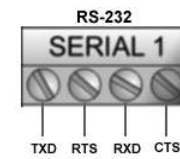
SNMP Support

RoHS2 Compliant

REGULATORY APPROVAL MARKS



PIN ASSIGNMENTS



Warranty Information

Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

+1.763.957.6000
sales@comtrol.com

Technical Support

+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support

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ftp.comtrol.com
www.comtrol.com