



DeviceMaster® PNIO-2302

Part Numbers: 99633-0



DEVICE SERVER

KEY FEATURES AND BENEFITS

- Provide PLC connectivity for PROFINET IO and TCP/IP
- Supported PLC models – 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) extended temperature range for harsh environments
- Variable power input – eliminates need for power converters between multiple units
- PortVision® DX monitoring and management software
- Security Features – SSL & SSH management, SSL serial data stream encryption
- RoHS2 compliant under CE

PRODUCT DESCRIPTION

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

The DeviceMaster PNIO-2302 provides innovative Profinet IO connectivity to a wide variety of devices. It can enable you to quickly connect PLCs 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, innovative functionality and informative diagnostic information, the DeviceMaster PNIO-2302 provides the functionality required to make your job easier.



connect. communicate. control.

DEVICEMASTER SPECIFICATIONS

HARDWARE

Bus Interface Specification

10/100BASE-T

Memory

SDRAM 8 MB
Flash 4 MB

Enclosure

UL94-V0 Plastic

Installation Method

DIN rail (35mm)

LED Indicators

Status, Ethernet Link/Activity

Dimensions

4.6" x 3.9" x 1.8"
116.8 x 99.1 x 45.7 mm

Product Weight

6.5 oz
0.184 kg

ELECTRICAL SPECIFICATIONS

Device

DC Input Voltage 6-30V
Current Consumption (+24VDC) 85 mA

Power Consumption (max.)

2.0 W

Power Input Redundancy

Dual Redundant Power Input

ESD Surge Protection

Provided minimum of 25KV protection for all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.

ENVIRONMENTAL SPECIFICATIONS

Air Temperature

System On -37° C to 74° C
System Off -40° C to 85° C

Operating Humidity

(Non-Condensing) 5% to 95%

Altitude

0 to 10,000 Feet
3,048 m

Heat Output

6.8 BTU/Hr

Mean time between failures

49.5 Years

SERIAL COMMUNICATIONS

Connector Type

DB9 Male

Number of Ports

2

Software Selectable Interfaces

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

Baud Rates

300bps to 230.4 Kbps
Receive Buffer 1024 Bytes
Transmit Buffer 256 Bytes

Data Bits

5, 6, 7 or 8

Parity

Odd, Even, None, Mark, Space

Stop Bits *

1, 1.5 (with 5 data bits), or 2

Flow Control

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

*Stop Bits 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

2

EXPORT INFORMATION

Packaged Shipping Weight

1.1 lbs
0.50kg

Package Dimensions

9.25" x 2.5" x 7.25"
23.5 x 63.5 x 184.2 mm

UPC Code

7-56727-99633-0

Country of Origin

USA

ECCN

5A992

Schedule B Number

8471.80.1000

REGULATORY STANDARDS

Emissions

FCC PART 15 SUBPART B
CLASS A LIMIT
AS/NZS CISPR 22
European Standard EN55022
Canadian EMC Requirements
ICES-003

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 (RECOGNIZED)
CSA C22.2 No. 50/UL60950 Third Edition

Other

RoHS2 compliance under CE
NEMA TS2 Compliant

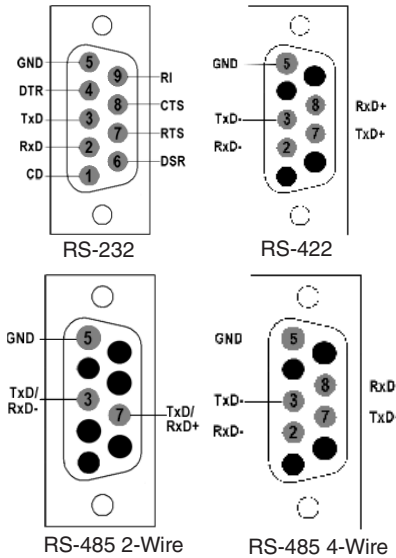
FEATURES

SNMP Support Monitoring Only

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

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