



PDS-720/PDS-720D

Programmable Serial-to-Ethernet Device Servers

Features

- Networkable serial devices
- "Virtual COM" extend COM ports
- Supports Virtual COM on Windows NT 4.0, 2000/XP/2003 and Vista32.
- Powerful programmable device server
- Watchdog timer suitable for use in harsh environments
- 10/100 Base-Tx, RJ-45 port (Auto-negotiating, auto MDI/MDI-X, LED indicator)
- Power reverse polarity protection
- Serial port +/-4 kV ESD protection circuit
- Self-tuner ASIC controller on RS-485 port
- Enables download of programs from PC
- 5-digit display (only for version with display)
- RoHS compliant with No Halogen
- Built-in MiniOS7 of ICP DAS
- ODM Wanted



Introduction

PDS-700 series is a series of Programmable Serial-to-Ethernet Device Servers designed to meet the most common requirements of Internet/Ethernet applications. Besides the advantage of easy to use on remote control your serial devices through Ethernet network, the PDS-700 comes with a powerful and reliable Xserver programming structure for you to design your robust Ethernet applications in one day.

PDS-700 series is designed for linking RS-232/485/422 devices to Ethernet network. With the help of VxComm utility, the built-in COM port of PDS-700 can be virtualized to standard COM port of host-PC. By virtue of its independent operating system, protocol independence, small size and flexibility, Device servers are able to meet the demand of virtually any network-enable application. Most devices don't have network ports. Our Programmable Device Servers allow those devices to become connected to the network.

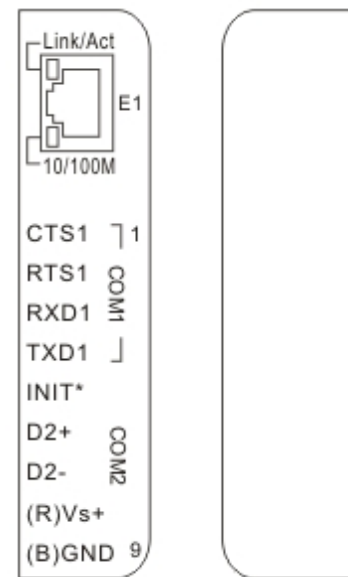
Applications

- Factory Automation
- Building Automation
- Home Automation

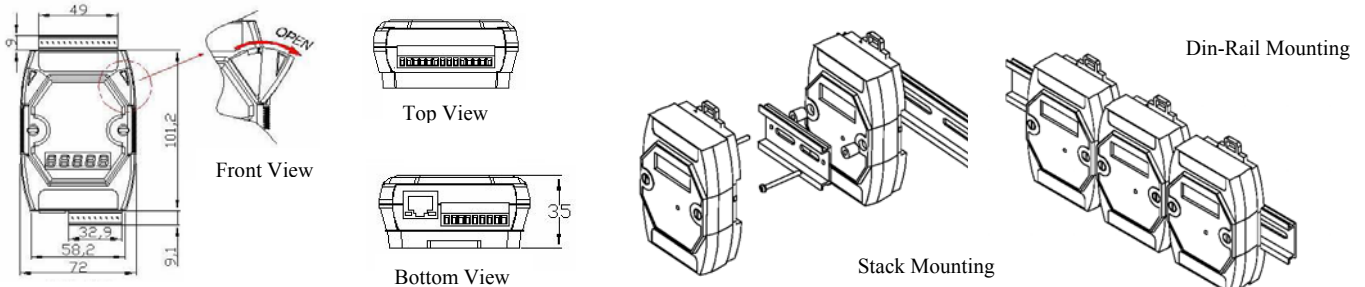
Specifications

Pin Assignment

| | |
|--------------------------------|---|
| CPU | |
| CPU | 80186-80 MHz or compatible |
| SRAM | 512 K bytes |
| Flash Memory | Flash ROM: 512 K Bytes ; Erase unit is one sector (64 K bytes) ; 100,000 erase/write cycles |
| EEPROM | 16 K byte; Data retention: 40 years; 1,000,000 erase/write cycles. |
| Built-in Watchdog Timer | Yes |
| Communication Interface | |
| COM1 | RS-232(TXD,RXD,RTS,CTS,GND); None-isolation |
| COM2 | RS-485(D2+,D2-); None-isolation Self-tuner ASIC controller on RS-485 port |
| Ethernet Port | 10/100 Base-Tx, RJ-45 port (Auto-negotiating, auto MDI/MDI-X, LED indicator) |
| COM Port Formats | |
| Data Bit | 7, 8: for COM1,COM2 |
| Parity | None, Even, Odd, Mark, Space |
| Stop Bit | 1: for COM1, COM2 |
| Baud Rate | 115200 bps Max. |
| Mounting | |
| Din Rail Mount | Yes |
| Wall Mount | Yes |
| LED Display | |
| 5-Digit 7 Segment LED Display | Yes(for D Version) |
| System LED Indicator | Yes |
| Mechanism | |
| Flammability | Fire Retardant Materials (UL94-V0 Level) |
| Dimension (W x L x H) | 123 mm x 72 mm x 33 mm |
| Operating Environment | |
| Operating Temperature | -25 °C ~ +75 °C |
| Storage Temperature | -40 °C ~ +80 °C |
| Power | |
| Protection | Power Reverse Polarity Protection |
| Required Supply Voltage | +10 ~ +30 V _{DC} (non-regulated) |
| Power Consumption | 2W for PDS-720 ; 2.7W for PDS-720D |



Dimensions



Ordering Information

| | |
|--------------------|---|
| PDS-720 CR | Programmable Device Server with one RS-232 and one RS-485 ports (RoHS): Include one CA-0910 cable. |
| PDS-720D CR | Programmable Device Server with one RS-232 and one RS-485 ports with LED display (RoHS): Include one CA-0910 cable. |

Optional Accessories

| | |
|---------------------|--|
| GPSU06U-6 | 24 V/0.25 A (max) Power Supply (100 ~ 240 V _{AC} Input) |
| MDR-20-24 CR | 24 V/1 A (max) Industrial DIN Rail Power Supply (Universal AC Input, RoHS) |
| CA-0903 | 9-Pin Female D-sub & RS-232 connector cable, 30 cm Cable |
| CA-0910 | 9-Pin Female D-sub & 3-wire RS-232 cable, 1 M Cable |
| NS-205 CR | Unmanaged 5-Port Industrial Ethernet Switch |



GPSU06U-6



MDR-20-24 CR



CA-0903



CA-0910



NS-205 CR