



## 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
- 10/100Base-TX Ethernet Controller (Auto-negotiating, Auto\_MDIX, LED indicator)
- Power reverse polarity protection
- Serial port +/-4KV ESD protection circuit based on "REAL" testing result
- 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.

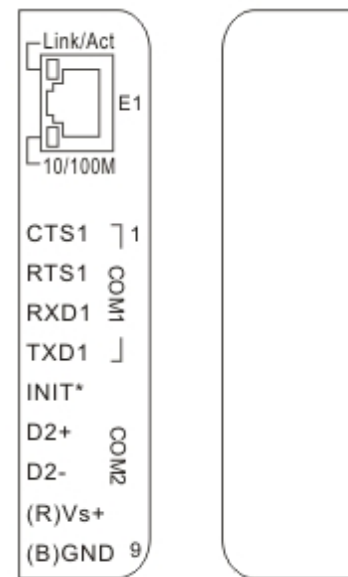
#### Applications

- Factory Automation
- Building Automation
- Home Automation

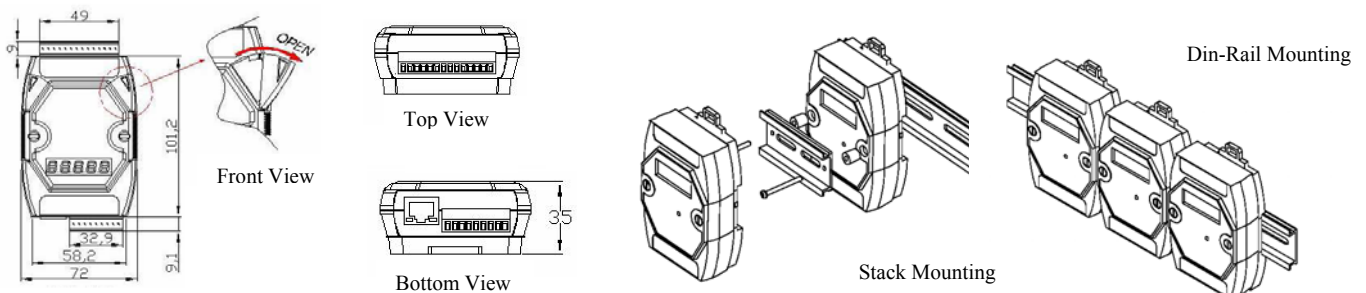
## Specifications

## Pin Assignment

<b>CPU</b>	
CPU	80186-80MHz or compatible
SRAM	512K bytes
Flash Memory	Flash ROM: 512K Bytes ; Erase unit is one sector (64K bytes) ; 100,000 erase/write cycles
EEPROM	16K byte; Data retention: 40 years; 1,000,000 erase/write cycles.
Built-in Watchdog Timer	Yes
<b>Communication Interface</b>	
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	10/100M Base-Tx Ethernet Controller (Auto-negotiating, Auto_MDIX, LED indicator)
<b>COM Port Formats</b>	
Data Bit	7, 8: for COM1,COM2
Parity	None, Even, Odd, Mark, Space
Stop Bit	1: for COM1, COM2
Baud Rate	115200 bps Max.
<b>LED Display</b>	
5-Digit 7 Segment LED Display	Yes(for D Version)
System LED Indicator	Yes
<b>Mechanism</b>	
Flammability	Fire Retardant Materials (UL94-V0 Level)
Dimension	123mm x 72mm x 33mm
<b>Operating Environment</b>	
Operating Temperature	-25°C to +75°C
Storage Temperature	-40°C to +80°C
<b>Power</b>	
Protection	Power Reverse Polarity Protection
Required Supply Voltage	+10 to +30V/DC (non-regulated)
Power consumption	2W for PDS-720 ; 2.7W for PDS-720D



## Dimensions



## Ordering Information

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

## Optional Accessories

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



GPSU06U-6



MDR-20-24 CR



CA-903



CA-910



NS-205 CR