



PDS-782-25/D6 PDS-782D-25/D6

Programmable (7x RS-232 and 1x RS-485) Serial-to-Ethernet Device Server

■ Features

- Incorporate Serial Devices in an Ethernet network
- "Virtual COM" Extend COM Ports
- Virtual COM supports 32-bit and 64-bit Windows 7 SP1/10/2012/2016
- Powerful Programmable Device Server
- Watchdog Timer suitable for use in harsh environments
- Serial Port +/-4 kV ESD Protection Circuit
- Self-Tuner ASIC Controller on the RS-485 Port
- Built-in High Performance MiniOS7 from ICP DAS
- Palm-Sized with multiple Serial Ports











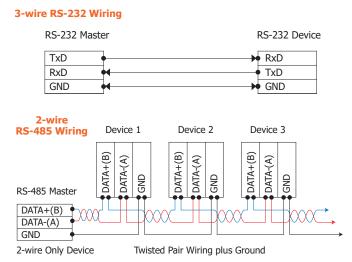
Introduction

The PDS-700 series is a family of Programmable Device Servers, also known as "Serial-to-Ethernet gateway", that are designed for linking RS-232/422/485 devices to an Ethernet network. The userfriendly VxComm Driver/Utility allows users to easily turn the built-in COM ports of the PDS-700 series into standard COM ports on a PC. By virtue of its protocol independence, a small-core OS and high flexibility, the PDS-700 series is able to meet the demands of every network-enabled application.

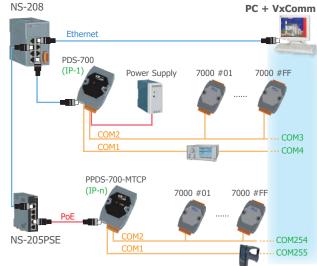
The PDS-700 series includes a powerful and reliable Xserver programming structure that allows you to design your robust Ethernet applications in one day. The built-in, high-performance MiniOS7 boots the PDS-700 up in just one second and gives you fastest responses.

PDS-782(D)-25/D6 is equipped with 7 RS-232 ports and 1 RS-485 port. The CA-9-2505D cable converts the DB-25 connector of PDS-782(D)-25/D6 to 6 Male DB-9 connectors for easy wiring with serial devices that have female DB-9 connectors.

Wiring



Applications

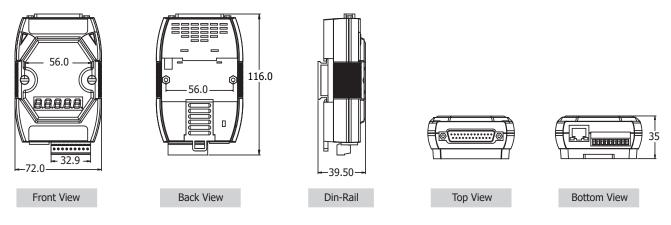


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■ System Specifications

CPU CPU SRAM Flash Memory EEPROM Built-in Watchdog Timer	80186, 80 MHz or compatible 512 KB Flash ROM: 512 KB; Erase unit is one sect 16 KB; Data retention: 40 years; 1,000,000 erase/write cycles Yes	tor (64 KB); 100,000 erase/write cycles	
SRAM Flash Memory EEPROM	512 KB Flash ROM: 512 KB; Erase unit is one sect 16 KB; Data retention: 40 years; 1,000,000 erase/write cycles	tor (64 KB); 100,000 erase/write cycles	
Flash Memory EEPROM	Flash ROM: 512 KB; Erase unit is one sect 16 KB; Data retention: 40 years; 1,000,000 erase/write cycles	tor (64 KB); 100,000 erase/write cycles	
EEPROM	16 KB; Data retention: 40 years; 1,000,000 erase/write cycles	tor (64 KB); 100,000 erase/write cycles	
	1,000,000 erase/write cycles		
Built-in Watchdog Timer	Yes		
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Communication Interfa	ice		
COM1	RS-232 (TxD, RxD, RTS, CTS, GND)		
COM2	RS-485 (D2+, D2-, GND)		
COM3	RS-232 (TxD, RxD, GND)		
Non-included COM4	RS-232 (TxD, RxD, GND)		
Non-isolated COM5	RS-232 (TxD, RxD, GND)		
COM6	RS-232 (TxD, RxD, GND)		
COM7	RS-232 (TxD, RxD, GND)		
COM8	RS-232 (TxD, RxD, GND)		
Ethernet	10/100 Base-TX, RJ-45 port (Auto-negotia	ating, auto MDI/MDI-X, LED indicator)	
COM Port Formats			
Data Bit	7, 8: for COM1 and COM2 , 5, 6, 7, 8: for	COM3 and COM8	
Parity	None, Even, Odd, Mark, Space None parity is required when using 8 data bits and 2 stop bits on COM1/COM2.		
Stop Bit	1, 2: for COM1 ~ COM8		
Baud Rate	115200 bps max.		
LED Indicators			
5-digit 7 Segment	-	Yes	
System	Red		
Power			
Protection	Power Reverse Polarity Protection		
Required Supply Voltage	+10 Vpc ~ +30 Vpc		
Power Consumption	2.0 W	2.7 W	
Mechanical			
Flammability	Fire Retardant Materials (UL94-V0 Level)		
Dimensions (W x L x H)	72 mm x 35 mm x 116 mm		
Installation	DIN-Rail or Wall mounting		
Casing	Plastic		
Environment			
Operating Temperature	-25 °C ~ +75 °C		
Storage Temperature	-40 °C ~ +80 °C		
Humidity	5 ~ 90% RH, non-condensing		

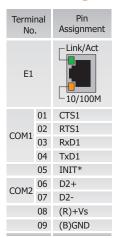
■ Dimensions (Units: mm)



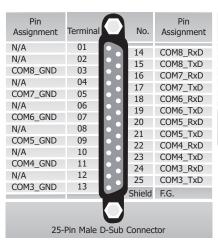
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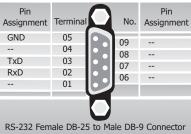


■ Pin Assignments









Ordering Information

IPDS-787-75/D6 CR	Programmable (7x RS-232 and 1x RS-485) Serial-to-Ethernet Device Server (RoHS)
	Includes CA-0910 Cable and CA-9-2505D Cable
PDS-782D-25/D6 CR	Programmable (7x RS-232 and 1x RS-485) Serial-to-Ethernet Device Server with LED
	Display (RoHS)
	Includes CA-0910 Cable and CA-9-2505D Cable

Accessories

CA-0903 CR	DB9 Female to 5-wire Cable [RS-232], 30cm (RoHS)
NS-205 CR	Unmanaged 5-port Industrial Ethernet Switch (RoHS)
DN-09-2 CR	Two Male DB9 to Screw Terminal Board (Pitch= 5.08 mm) with DIN-rail Mounting (RoHS)
	Includes: CA-0915 x 2 (DB9(Male) to DB9(Female) Cable [RS-232; Pin1-Pin9], 1.5M)
DVI-U0-3E CD	Two Male DB9 to Screw Terminal Board (Pitch= 5.08 mm) with DIN-rail Mounting (RoHS)
	Includes: CA-0910F x 2 (DB9(Female) to DB9(Female) Cable [RS-232; Pin1-Pin9], 1M)

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