



PDSM-743(D)

# PDSM-743(D)

Programmable Serial-to-Ethernet Device Servers

## I/O Specifications

Digital Output	
Output Channel	4
Output Type	Open Collector (Sink/NPN)
Load Voltage	30 VDC, max.
Load Current	100 mA, max.
Isolated Voltage	Non-isolated
Digital Input	
Input Channel	4
Input Type	Source (Dry Type), Common Ground
Off Voltage Level	+1 V max.
On Voltage Level	+3.5 ~ +30 V
Isolated Voltage	Non-isolated
Counters	Channels: 4
	Max. Count: 16-bit (65535)
	Max. Input Frequency: 100 Hz
	Min. Pulse Width: 5 ms

## System Specifications

CPU		
CPU	80186-80 MHz or compatible	
SRAM	512 KB	
Flash Memory	Flash ROM: 512 KB ; Erase unit is one sector (64 KB) ; 100,000 erase/write cycles	
EEPROM	16 KB; Data retention: 40 years; 1,000,000 erase/write cycles.	
Built-in Watchdog Timer	Yes	
Communication Interface		
Non-isolated	COM1	RS-232 (TxD, RxD, RTS, CTS,GND)
	COM2	RS-485 (D2+, D2-,GND)
	COM3	RS-232 (TxD, RxD,GND)
	COM4	RS-232 (TxD, RxD,GND)
Ethernet	10/100 Base-TX, RJ-45 port (Auto-negotiating, auto MDI/MDI-X, LED indicator)	
PoE	IEEE 802.3af	
COM Port Formats		
Data Bit	7, 8: for COM1 and COM2 5, 6, 7, 8: for COM3 ~ COM4	
Parity	None, Even, Odd, Mark, Space	
Stop Bit	1: for COM1, COM2 1, 2: for COM3 ~ COM4	
Baud Rate	115200 bps Max.	
LED Indicators		
5-digit 7 Segment	Yes, only for "D" versions	
System	Red	
PoE	Green	
Power		
Protection	Power Reverse Polarity Protection	
Required Supply Voltage	+10 VDC ~ +30 VDC (non-regulated)	
Power Consumption	PDS(M)-743: 2.0 W PDS(M)-743D: 2.7 W	
Mechanism		
Flammability	Fire Retardant Materials (UL94-V0 Level)	
Dimension (W x H x D)	88 mm x 123 mm x 28 mm	
Installation	DIN-Rail or Wall mounting	
Casing	Metal	
Environment		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-40 ~ +80 °C	
Humidity	5 ~ 90% RH, non-condensing	