



I-7188E3/I-7188E3D

Programmable Ethernet to 3x serial ports converter

Features

- Incorporates any RS-232/422/485 serial device in Ethernet
- Data transmission via Virtual COM or raw TCP connection
- VxComm Utility supports 32/64-bit Windows 7 SP1/10/2012/2016
- Built-in High-Performance MiniOS7 from ICP DAS
- Watchdog Timer suitable for use in harsh environments
- Palm-Sized with multiple Serial Ports
- Power Reverse Polarity Protection

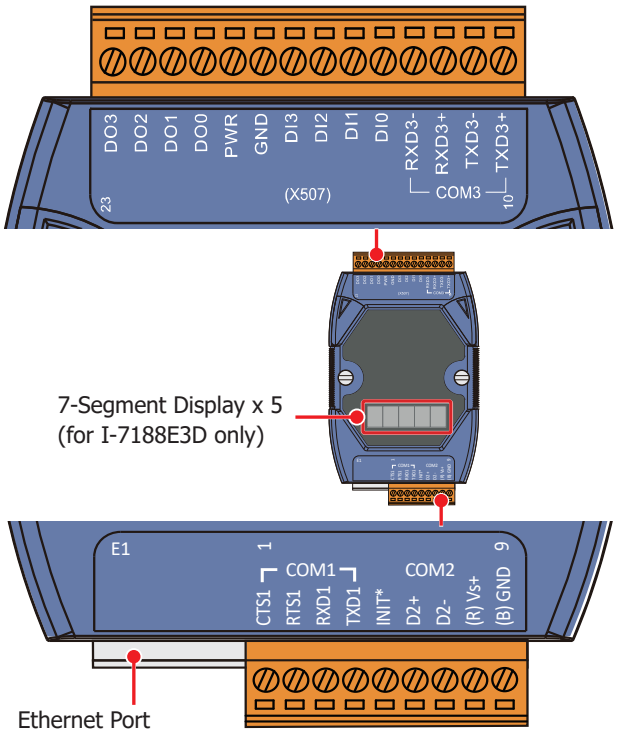
Introduction

The I-7188EN 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 user-friendly VxComm Driver/ Utility allows users to easily turn the built-in COM ports of the I-7188EN series into standard COM ports on a computer. By virtue of its protocol independence, a small-core OS and high flexibility, the I-7188EN series is able to meet the demands of every network-enabled application.

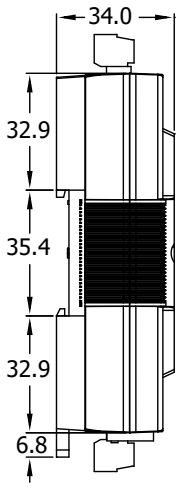
The I-7188EN series includes a powerful and reliable Xserver programming structure that allows you to design your robust Ethernet applications in one day. The built-in high-performance MiniOS7 boots the I-7188EN up in just one second and gives you the fastest responses.

The I-7188E3(D) is equipped with 1 RS-232 port, 1 RS-422 port and 1 RS-485 port. The removable on-board terminal block connector is designed for easy and robust wiring in industrial situations.

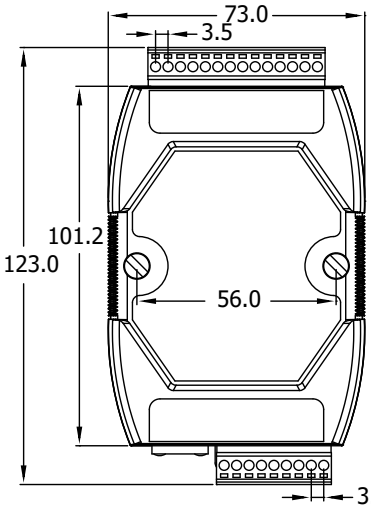
Apparances



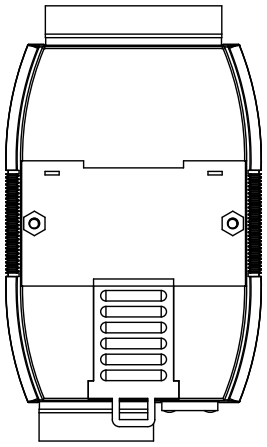
Dimensions (Units: mm)



Left Side View



Front View



Rear View

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Specifications

Models	I-7188E3	I-7188E3D
CPU Module		
CPU	80188, 40MHz or compatible	
SRAM	384 KB	
Flash	512 KB	
EEPROM	2 KB	
Watchdog Timer	0.8 second	
Communication Interface		
COM1	RS-232 (TXD, RXD, RTS, CTS, GND)	
COM2	RS-485 (D+, D-)	
COM3	RS-422 (TXD+, TXD-, RXD+, RXD-)	
Ethernet Port	10BASE-T NE2000 compatible Ethernet Controller	
COM Port Format		
Data Bit	7, 8	
Parity	Even, Odd, None	
Stop Bit	1	
Baud Rate	115200 bps Max.	
LED Indicator		
7-Segment Display	-	Yes
System LED Indicator	Yes	
Digital Input		
Input Channels	4	
On Voltage Level	Wet: +3.5 V_{DC} ~ +30 V_{DC} Dry: Close to GND	
Off Voltage Level	Wet: +1 V_{DC} Max. Dry: Open	
Digital Output		
Output Channels	4	
Output Type	Open-collector	
Max Load Current	100 mA	
Load Voltage	+30 V_{DC} Max.	
Mechanical		
Dimensions (W x L x H)	123 mm x 73 mm x 34 mm	
Operating Environment		
Operating Temperature	-25 °C ~ +75 °C	
Storage Temperature	-40 °C ~ +80 °C	
Humidity	5 ~ 95% RH, non-condensing	
Power		
Protection	Power reverse polarity protection	
Power requirement	10 ~ 30 V_{DC}	
Power consumption	2 W	3 W

Ordering Information

I-7188E3 CR	Programmable Ethernet to 3x serial ports converter (1x RS-232, 1x RS-422 and 1x RS-485) (RoHS)
I-7188E3D CR	Programmable Ethernet to 3x serial ports converter (1x RS-232, 1x RS-422 and 1x RS-485) with LED display (RoHS)

Accessories

MDR-20-24 CR	Power Supply, 85~264 V_{AC} to 24 V_{DC}/1 A, 24 W, DIN-rail mounting (RoHS)
GPSU06U-6 CR	Power Supply, 110~240 V_{AC} to 24 V_{DC}/0.25 A, 6 W, two pins USA plug (RoHS)

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