I-7188E3-232/I-7188E3D-232

Programmable Ethernet to 3x serial ports converte

Features

- Incorporates any RS-232/485 serial device in Ethernet
- Data transmission via Virtual COM or raw TCP connection
- VxComm Driver for 32-bit and 64-bit Windows XP/2003/2008/Vista/7/8/10
- 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)-232 is equipped with 2 RS-232 ports and 1 RS-485 port. The removable on-board terminal block connector is designed for easy and robust wiring in industrial situations.

Apparances

7-Segment Display x 5 (for I-7188E3D-232 only)

Ethernet Port
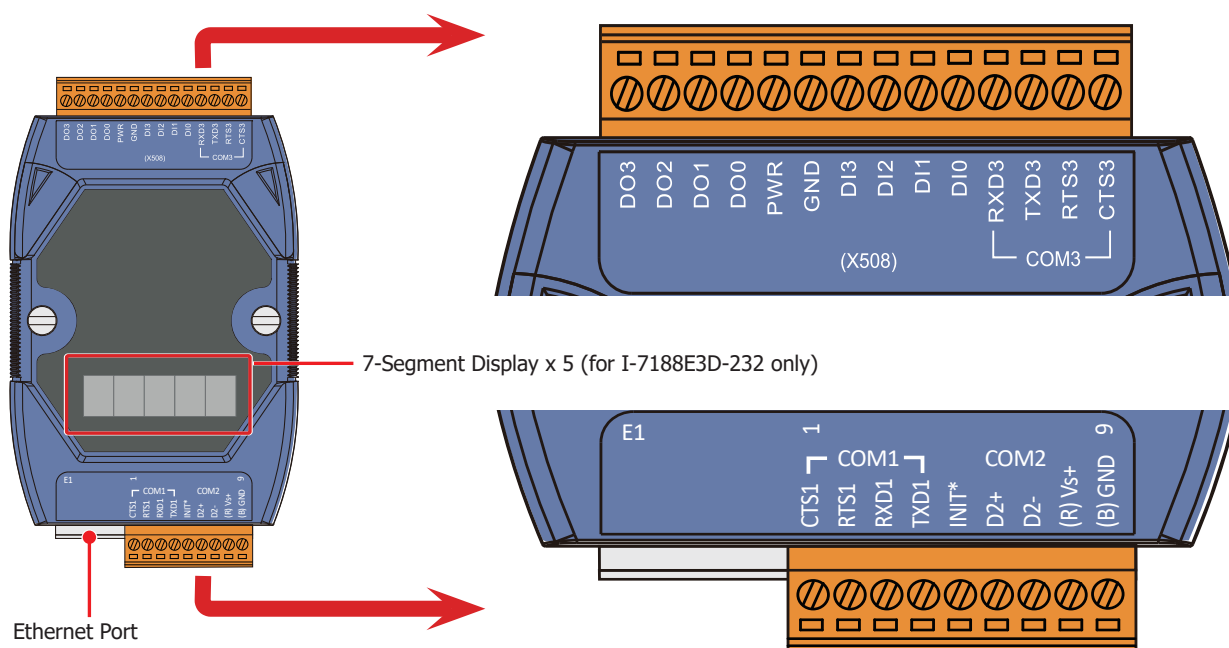
◼ Specifications

Models	I-7188E3-232	I-7188E3D-232
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-232 (TXD, RXD, GND)	
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	+3.5VDC to +30VDC Max.	
Off Voltage Level	+1VDC Max. (Connect to GND)	
Digital Output		
Output Channels	4	
Output Type	Open-collector	
Max Load Current	100mA	
Load Voltage	+30VDC Max.	
Mechanical		
Dimensions (W x L x H)	123 mm x 72 mm x 33 mm	
Operating Environment		
Operating Temperature	-25 °C to +75 °C	
Storage Temperature	-40 °C to +80 °C	
Humidity	5 to 95 %,non-condensing	
Power		
Protection	Power reverse polarity protection	
Power requirement	10 to 30 VDC	
Power consumption	2 W	3 W

ICP DAS

■ Dimensions (Units: mm)

34.0

32.9

35.4
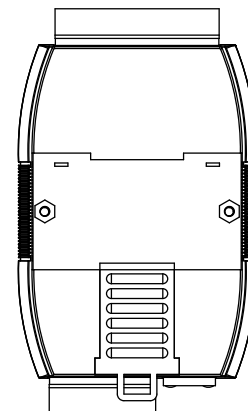
32.9

6.8

Left Side View

73.0
3.5

101.2
123.0

56.0

3.5
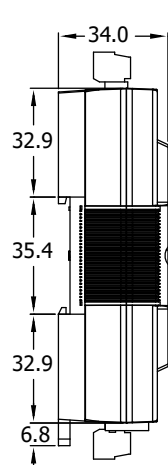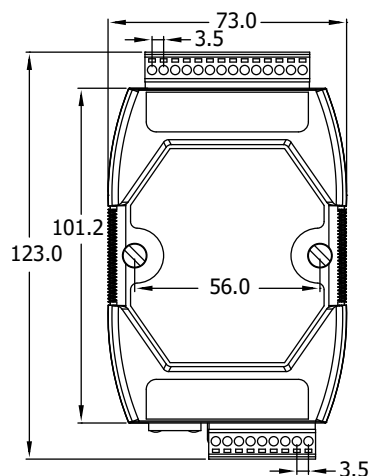
Front View
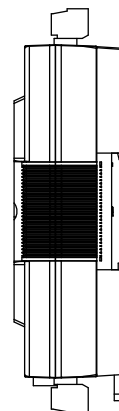
Right Side View

Rear View

■ Ordering Information

I-7188E3-232 CR	Programmable Ethernet to 3x serial ports converter (2x RS-232, 1x RS-485) (RoHS)
I-7188E3D-232 CR	Programmable Ethernet to 3x serial ports converter (2x RS-232, 1x RS-485) with LED display (RoHS)

■ Accessories

	MDR-20-24 CR	24 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)
	GPSU06U-6 CR	Power Supply, 110~240VAC or 127~230VDC to 24VDC/0.25A, 6 W, two pins USA plug (RoHS)