



## I-7188E1/I-7188E1D

Programmable Ethernet to 1x RS-232 port converter

### Features

- Incorporates any RS-232 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



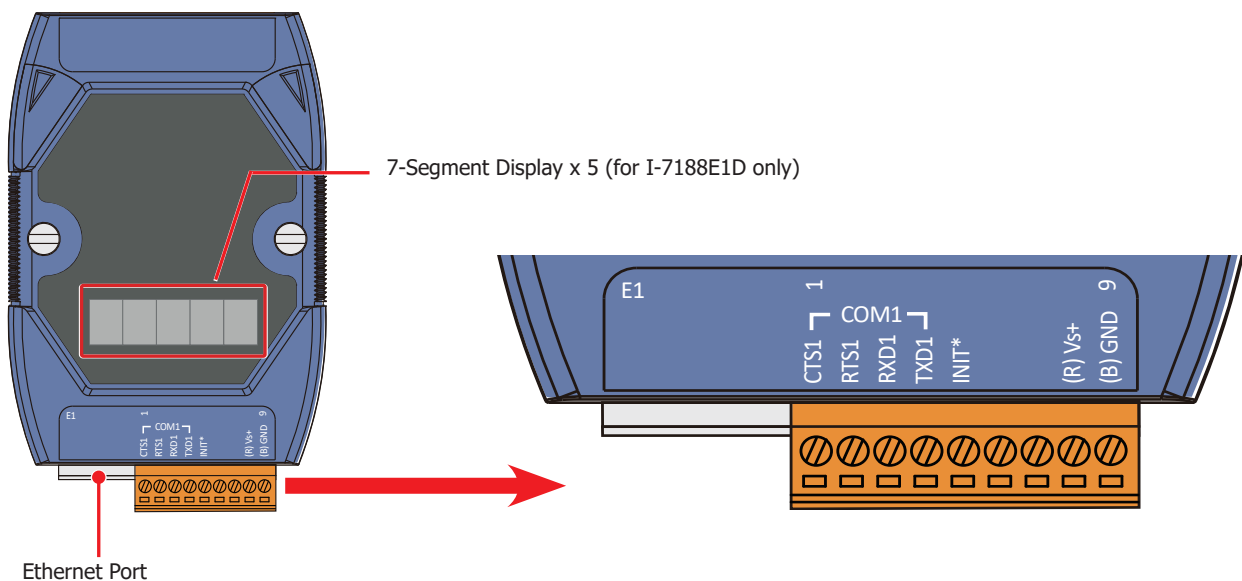
### Introduction

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-7188E1(D) is equipped with 1 RS-232 port. The removable on-board terminal block connector is designed for easy and robust wiring in industrial situations.

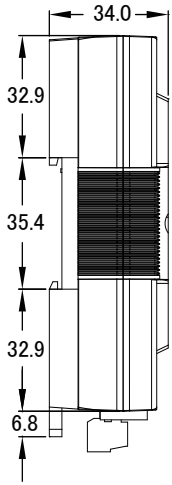
### Apparances



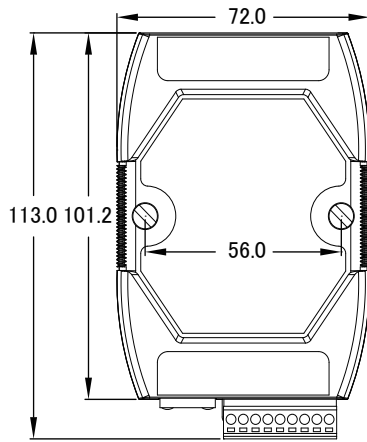
## Specifications

| Models                  | I-7188E1                                       | I-7188E1D |
|-------------------------|--|-----------|
| 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)               |           |
| 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  |           |
| Mechanical              |  |           |
| Dimensions (W x L x H)  | 113 mm x 72 mm x 34 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       |

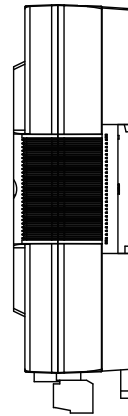
### ■ Dimensions (Units: mm)



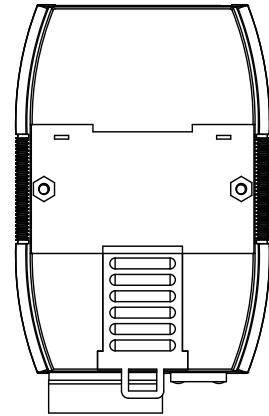
Left Side View



Front View



Right Side View





Rear View

### ■ Ordering Information

|              |   |
|--------------|---|
| I-7188E1 CR  | Programmable Ethernet to 1x RS-232 port converter (RoHS)                  |
| I-7188E1D CR | Programmable Ethernet to 1x RS-232 port converter 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) |