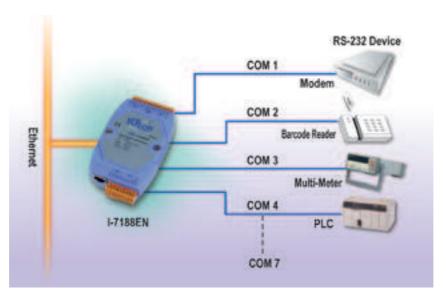
Internet Communication Controller ERIES



Introduction

The I-7188EX, Embedded Internet/Ethernet Controller, focuses on embedded control applications while the I-7188EN, Internet Communication Controller, focuses on communication applications. According to different embedded firmware program, the Internet Communication Controller can be used as Device Server or Addressable Ethernet to RS-232/485/422 Converter or Embedded Internet/Ethernet Controller. The user should refer to comparison table to choose the optimal product. Now we offer a wide range of Internet Communication Controllers, such as I-7188E1/E2/E3/E4/E5/E8. Except for the RTC circuitry, the basic hardware of the I-7188EN is similar to the I-7188EX. Since there are too many configurations for the I-7188EN series product, an OEM or ODM version is welcomed.

Features

- 80188-40 embedded CPU / 80186-80(New)
- Supports a variety of TCP/IP features, including TCP, UDP, IP, ICMP, ARP
- 10 BaseT NE2000 compatible Ethernet Controller
- Remote Configuration; Diagnostics
- COM driver support interrupt & 1K QUEUE input & output buffer
- Support serial port
- Built-in EEPROM

Features

- Built-in self-tuner ASIC chip for RS-485 port
- I-7188E1 support one RS-232 port
- I-7188E2 support one RS-232 port and one RS-485 port
- I-7188E3 support one RS-232 port, one RS-485 port one RS-422/485 port and several DI/O lines
- I-7188E3-232 support two RS-232 ports, one RS-485 port and serveral DI/O lines
- I-7188E4 support three RS-232 ports and one RS-485 port
- I-7188E5 support four RS-232 ports and one RS-485 port
- I-7188E5-485 support one RS-232 port and four RS-485 ports
- I-7188E8 support seven RS-232 ports and one RS-485 port
- 7-segment LED display for I-7188END
- Built-in MiniOS7
- Program download port: COM1
- Support VxComm technique & Xserver

Specifications

- CPU: 80188 40MHz
- SRAM: 384K bytes
- Flash Memory: 512K bytes
- EEPROM: 2048 bytes.
- Ethernet port: 10Base-T
- U.S patent NO.6,401,159 B1
- R.O.C. Invention Patent No. 086674, No. 103060, No. 132457
- D/I: 3.5V~30V
- D/O: 100mA/30V
- Operating temperature: -25°C to +75°C
- Storage temperature: -40°C to +80°C
- Dimensions: 123mm x 72mm x 33mm
- Power requirement: Unregulated 10~30 VDC power
- Power consumption: 2W (without display); 3W (with display)

Applications

- Factory Automation
- Building Automation
- Home Automation

Internet Communication Controller

Internet Communication Controller Selection Guide								
Model Number	I-7188E1	I-7188E2		I-7188E3-232	I-7188E4	I-7188E5	I-7188E5-485	I-7188E8
CPU (80188)	40M							
SRAM	384KB							
Flash	512KB							
Ethernet Port	10 BaseT							
COM1 Port	RS-232/ (Note1)							
COM2 Port	-	RS-485 (Note3)						
COM3 Port	-	-	RS-422 (Note5)	RS-232 (Note1)	RS-232 (Note1)	RS-232 (Note1)	RS-485 (Note3)	RS-232 (Note2)
COM4 Port	-	-	-	-	RS-232 (Note4)	RS-232 (Note1)	RS-485 (Note3)	RS-232 (Note2)
COM5 Port	-	-	-	-	-	RS-232 (Note1)	RS-485 (Note3)	RS-232 (Note2)
COM6 Port	-	-	-	-	-	-	-	RS-232 (Note2)
COM7 Port	-	-	-	-	-	-	-	RS-232 (Note2)
COM8 Port	-	-	-	-	-	-	-	RS-232 (Note2)
DI	-	-	4	4	-	-	-	-
DO	-	-	4	4	-	-	-	-
RTC	N	N	N	N	N	N	N	N
Embedded O.S.	MiniOS7							

Note1: RS-232, TXD, RXD, RTS, CTS, GND
Note2: RS-232, TXD, RXD, GND
Note3: RS-485, D2+, D2-; Self-tuner inside
Note4: RS-232, TXD, RXD, RTS, CTS, GND, DCD, DTR, DSR, RI

Note5: RS-422, TXD+, TXD-, RXD+, RXD-

Ordering Information

- I-7188E1: Internet Communication Controller
- I-7188E1D: I-7188E1 with seven-segment display
- I-7188E2: Internet Communication Controller
- I-7188E2D: I-7188E2 with seven-segment display
- I-7188E3: Internet Communication Controller ■ I-7188E3D: I-7188E3 with seven-segment display
- I-7188E3-232: Internet Communication Controller
- I-7188E3D-232: I-7188E3-232 with display
- I-7188E4: Internet Communication Controller
- I-7188E4D: I-7188E4 with seven-segment display
 I-7188E5: Internet Communication Controller
- I-7188E5D: I-7188E5 with display
- I-7188E5-485: Internet Communication Controller
- I-7188E5D-485: I-7188E5-485 with display
- I-7188E8: Internet Communication Controller
- I-7188E8D: I-7188E8 with display

Options

- PWR-24/110:
- Wall-plug Power Adaptor/ 110VAC, 60Hz, 3.6W
- PWR-24/220:

Wall-plug Power Adaptor/ 220VAC, 50Hz, 3.6W

■ PWR-24/230:

Wall-plug Power Adaptor/ 230VAC, 50Hz, 3.6W