



Model: I-7188E5-485



Model: I-7188E5D-485

I-7188E5-485/ I-7188E5D-485



Internet Embedded Controller



Manual



PIN
Assignment



Software



FAQ



Certification

Introduction

The I-7188EX, Embedded Internet/Ethernet Controller, focuses in Embedded Control applications while the I-7188EN, Internet Communication Controller, focuses in communication applications. According to different embedded firmware and application 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 optimal product. Now we offer wide range Internet Communication Controllers, such as I-7188E1 / E2 / E3 / E4 / E5 / E8. Except the RTC circuitry, the basic hardware of I-7188EN is similar to I-7188EX. Since there are too many configurations for I-7188EN series product, OEM or ODM version is welcomed. Can be used as Addressable Ethernet to RS-232/485/422 Converter.

Most RS-232/485/422 devices don't support device address. The I-7188EN series can assign a unique address to any RS-232 device installed in the Ethernet network. Host-PC can send command with device address to Ethernet network, the destination I-7188EN will remove the address field & pass the other fields of command to its local RS-232 device. The response of this local RS-232 device will be passed to host-PC via this destination I-7188EN.

The i-7188EN series can be used as Ethernet to RS-232/485/422 Device Server. The Device Server is an appliance that network enables any device with a serial communication port. By virtue of its independent operating system, protocol independence, small size and flexibility, Device servers are able to meet the demand of virtually any network-enable application. Most devices don't have network ports. Our Internet Communication Controllers allow those devices to become connected to the network.

The hardware and software of i-7188EN is similar to i-7188EX, the i-7188EN also can be used as Embedded Internet/Ethernet Controller except the RTC (Real Time Clock). The user can use well-developed libraries and demo programs to implement an Embedded Internet/Ethernet Controller.

[back](#)

Features

- AMD 80188-40 Embedded CPU, or compatible
- Supports a variety of TCP/IP features, including TCP, UDP, IP, ICMP, ARP
- 10BASE-T NE2000 compatible Ethernet Controller
- Reloadable Operating Software
- Remote Configuration
- Diagnostics
- COM driver support interrupt & 1K QUEUE Input & Output buffer
- Support serial port
- Built-in EEPROM
- Built-in self-tuner ASIC controller on RS-485 port
- support one RS-232 ports and four RS-485 ports
- 7-segment LED display for I-7188E5D-485
- Built-in MinIOS7
- Program download port: COM1 or Ethernet Port

[back](#)**Specifications****CPU**

CPU 80188, 40MHz or compatible

SRAM 384K bytes

Flash Memory 512K bytes

EEPROM 2K Bytes

Built-in Watchdog Timer Yes

Communication Interface

COM1 RS-232 (TXD, RXD, RTS, CTS, GND)

COM2 RS-485 (D2+, D2-)

COM3 RS-485 (D2+, D2-)

COM4 RS-485 (D2+, D2-)

COM5 RS-485 (D2+, D2-)

Ethernet Port 10BASE-T NE2000 compatible Ethernet Controller

COM Port Formats

Data bit 7, 8

Parity Even, Odd, None

Stop bit 1

Baud Rate 115200 bps Max.

LED Display

5-Digit 7 Segment LED Display Yes (for I-7188E5D-485 only)

System LED Indicator Yes

Dimensions

I-7188E5(D)-485 123mm x 72mm x 33mm

Operating Environment

Operating Temperature -25°C to +75°C

Storage Temperature -40°C to +80°C

Power

Protection Power reverse polarity protection

Required Supply Voltage +10 to +30V/DC (non-regulated)

Power consumption 2W for I-7188E5-485
3W for I-7188E5D-485[back](#)**Ordering information**

I-7188E5-485 Internet Communication Controller

I-7188E5D-485 I-7188E5-485 with seven-segment display

I-7188E5-485 CR Internet Communication Controller (RoHS)

I-7188E5D-485 CR I-7188E5-485 with seven-segment display (RoHS)

[back](#)**Accessories**[PWR-24/110](#) Wall-plug power Adapter / 110VAC, 60Hz, 4.8W[PWR-24/220F](#) Wall-plug power Adapter / 220VAC, 50Hz, 2.4W[back](#)**Related Products**[I-7188EN Series Ethernet to Serial Port Converter](#)[Programmable Device Servers Main Page \(Serial to Ethernet\)](#)

Copyright© ICP DAS Co., Ltd. All Rights Reserved

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

 www.autocont-ipc.cz



PRŮMYSLOVÉ POČÍTAČE

fanless embedded PC, do racku, ...



POČÍTAČE S DISPLEJEM

panelové PC, terminály, do vozidel, ...



AUTOMATIZACE A SBĚR DAT

převodníky, karty, moduly, switche, ...



PERIFERIE A KOMPONENTY

monitory, klávesnice, desky, skříně, ...



NOTEBOOKY A TABLETY

odolné, windows, android, IP65, ...



INFORMAČNÍ KIOSKY

interiérové, venkovní, ...



MEDICÍNSKÁ TECHNIKA

počítače, tablety, LCD, klávesnice, ...



SOFTWAREVÁ ŘEŠENÍ

pro výrobu, zaměstnance, kiosky, ...



PŘEJÍT DO E-SHOPU

eshop.autocont-ipc.cz



DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.