

Ethernet <-> RS-232/422/485 Converter

- RS-232/422/485 <-> Ethernet converter
- Supports a variety of TCP/IP features, including TCP, UDP, IP, ICMP, ARP
- 10Base-T NE2000 compatible Ethernet controller
- Remote configuration
- Diagnostics
- AMD 80188-40 embedded CPU, or compatible
- Reload able Operating Software
- Built-in miniOS7
- Built-in self-tuner ASIC controller on RS-485 port

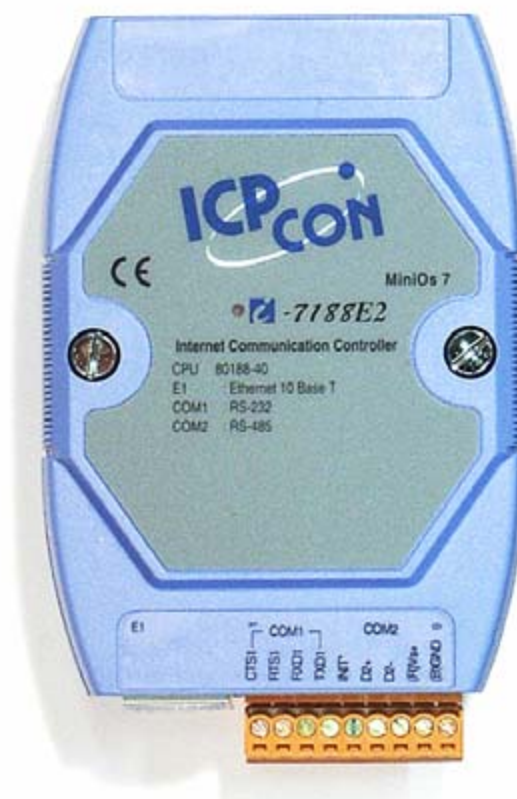
Description:

The Internet communication controller can be used as device server or addressable Ethernet to RS-232/422/485 converter or embedded Internet/Ethernet controller. Most RS-232/422/485 devices don't support device address. The I-7188E 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-7188E 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-7188E. Can be used as Ethernet to RS-232/422/485 device server. The device server is an appliance that network enables any device with a serial communication port. Can be used as embedded Internet/Ethernet controller. Except the Real time clock, the hardware and software of I-7188E is similar to I-7188EX. The user can use well-developed libraries and demo pro-

grams to implement an embedded Internet/Ethernet controller.

Technical data:

- CPU:
AMD 80188-40 or compatible
- SRAM:
384K bytes
- Flash Memory:
512K bytes, Erase unit is one sector (64K bytes); 100.000 erase/write cycles
- EEPROM:
2048 bytes (8 blocks, each block has 256 bytes); Data retention > 100 years; 1,000,000 erase/write cycles
- Ethernet port:
10Base-T
- Watchdog timer:
provides fault tolerance and recovery
- Ports:
RS-485 and 1 to 7 x RS-232
- Power requirement:
Unregulated 10 ~ 30 V DC with protection from power reversals
- Power consumption:
2 W (without display)
3 W (with display)
- Operating temperature:
-25° to +75°C



COM 2 Port	-	RS-485 (Note3)	RS-485 (Note3)	RS-485 (Note3)	RS-485 (Note3)	RS-485 (Note3)
COM 3 Port	-	-	RS-422 (Note5)	RS-232 (Note2)	RS-232 (Note1)	RS-232 (Note2)
COM 4 Port	-	-	-	RS-232 (Note4)	RS-232 (Note1)	RS-232 (Note2)
COM 5 Port	-	-	-	-	RS-232 (Note1)	RS-232 (Note2)
COM 6 Port	-	-	-	-	-	RS-232 (Note2)
COM 7 Port	-	-	-	-	-	RS-232 (Note2)
COM 8 Port	-	-	-	-	-	RS-232 (Note2)
Digital Out	-	-	4	-	-	-
Digital In	-	-	4	-	-	-
RTC	N	N	N	N	N	N
Embedded O.S	MiniOS7	MiniOS7	MiniOS7	MiniOS7	MiniOS7	MiniOS7
Note 1:	RS-232	TXD,RXD	RTS,CTS	GND		
Note 2:	RS-232	TXD,RXD	GND			
Note 3:	RS-485	D2+	D2-	self tuner	inside	
Note 4:	RS-232	TXD,RXD	RTS,CTS	GND	DCD,DTR	DSR,RI
Note 5:	RS-422	TXD+	TXD-	RXD+	RXD-	

Order information:

I-7188E1

10 BaseT, RS-232

I-7188E1D_

(E1 with 7 segment display)

I-7188E2

10 BaseT, RS-232,RS-485

I-7188E2D

(E2 with 7segment display)

I-7188E3

10 BaseT, RS-232,422,485

I-7188E3D

(E3 with 7 segment display)

I-7188E3-232

10 BaseT, RS-232,485,232

I-7188E3D-232

(E3-232 with 7 segment display)

I-7188E4

10BaseT,3xRS232,RS-485

I-7188E4D

(E4 with 7 segment display)

I-7188E5

10 BaseT,4xRS232,RS485

I-7188E5D

(E5 with 7 segment display)

I-7188E8

10 BaseT,7xRS232,RS485

I-7188E8D

(E8 with 7 segment display)

I-7188EA

10 BaseT, RS-232,RS485, DI:3,5~30V;DO:100mA,30V

I-7188EAD

(EAD with 7 segment display)