

I-7188(D)/DOS/512

Serial PAC with 80188-40 CPU, ROM-DOS, 521KB Flash, 256KB SRAM (7-Segment LED Display)

Features

- Built-in ROM-DOS and ROM-Disk
- Easy-to-use SDKs (Using C language)
- Various Storage Media
  - 512 KB Flash
  - 2 KB EEPROM
- Various Communication Interfaces
  - RS-232
  - RS-485
- Programmable LED Indicator
- Build-in Watchdog Timer

Introduction

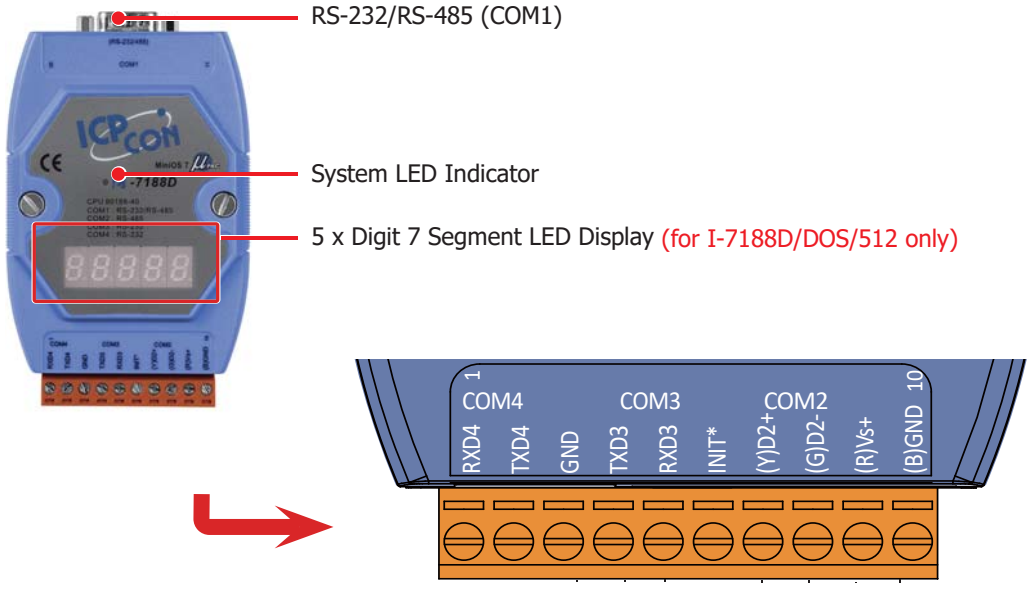
The I-7188(D)/DOS/512 is for industry applications and can be used to replace PC or PLC devices in harsh environments.

The I-7188(D)/DOS/512 controller is designed for palm-size embedded systems that require high reliability, PC-compatibility, and compactness at a reasonable price.

The controllers can be integrated into an OEM product as a processor core component. By building your product around I-7188(D)/DOS/512 controller, you reduce the time from design to market introduction, cut development costs, minimize technical risks, and deliver a more reliable product.

Depending on the type of embedded firmware programs that are being developed, the I-7188(D)/DOS/512 can be used as a single versatile controller.

Appearances



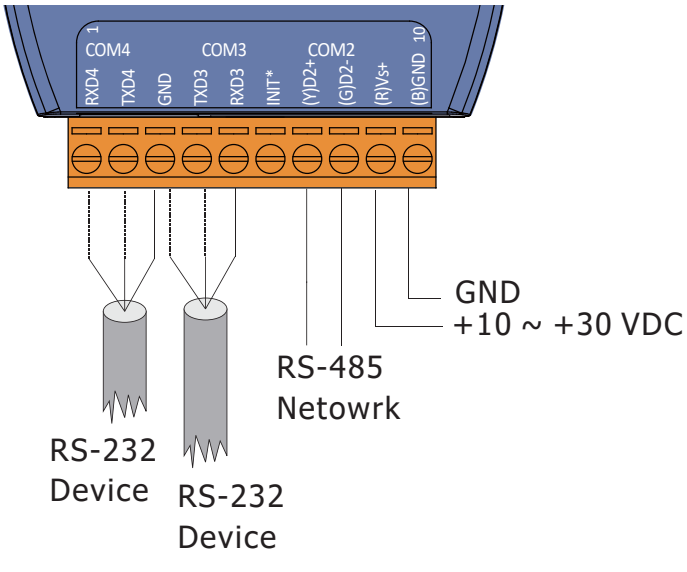
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Specifications

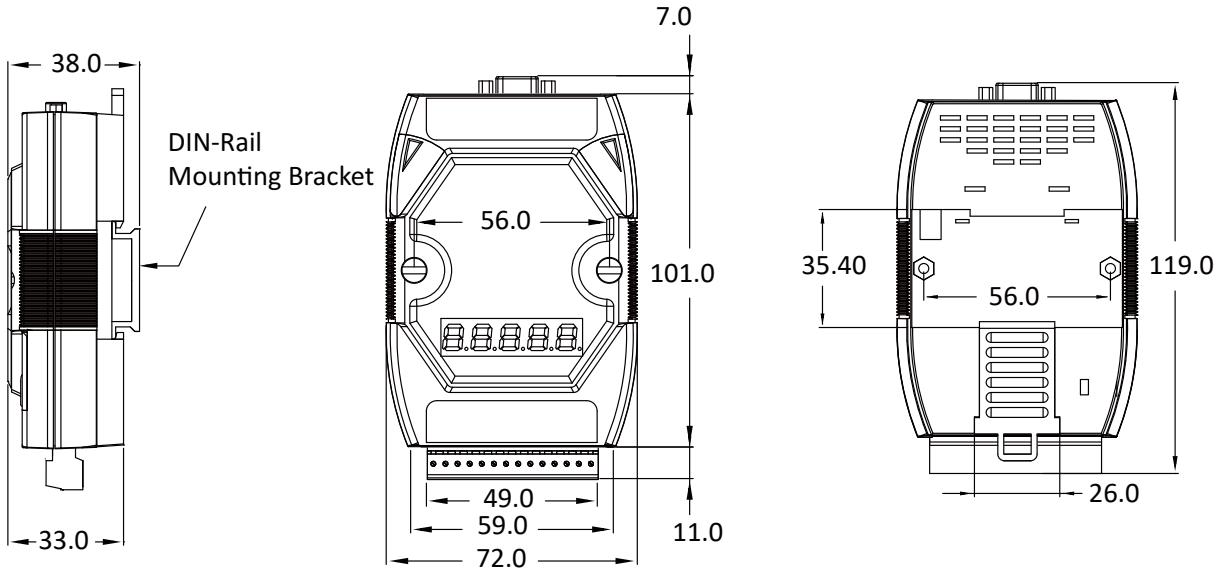
Model	I-7188/DOS/512	I-7188D/DOS/512
Software		
OS	ROM-DOS	
Development	C Language	
CPU Module		
CPU	80188, 40MHz or compatible	
SRAM	256 KB	
Flash	512 KB	
EEPROM	2 KB	
NVRAM	31 Bytes	
RTC (Real Time Clock)	Provide seconds, minutes, hours, dates, day of week, month, year	
Watchdog Timer	Yes	
Display		
Type	-	5 x Digit 7 Segment LED Display
LED Indicator		
Status	1 x System	
COM Ports		
Baud Rate	115200 bps Max.	
COM1	RS-232/RS-485 (RS-232: RXD, TXD, RTS, CTS, DTR, DSR, DCD, RI, GND, RS-485: Data+, Data-)	
COM2	RS-485 (Data+, Data-)	
COM3	RS-232 (TXD, RXD, GND)	
COM4	RS-232 (TXD, RXD, GND)	
Mechanical		
Dimension (W x H x D)	72 mm x 119 mm x 33 mm	
Installation	DIN-Rail Mounting	
Environmental		
Operating Temperature	-25 ~ +75 °C	
Storage Temperature	-40 ~ +80 °C	
Humidity	5 ~ 90 % RH, Non-condensing	
Power		
Input Range	+10 ~ +30 VDC	
Reverse Polarity Protection	Yes	
Consumption	2.0 W	3.0 W

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Wiring Connections



Dimensions (Units: mm)



Right Side View | Front View | Back View

Ordering Information

I-7188/DOS/512 CR	Serial PAC with 80188-40 CPU, ROM-DOS, 521KB Flash, 256KB SRAM (Blue Cover) (RoHS)
I-7188D/DOS/512 CR	Serial PAC with 80188-40 CPU, ROM-DOS, 521KB Flash, 256KB SRAM and 7-Segment LED Display (Blue Cover) (RoHS)

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