



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

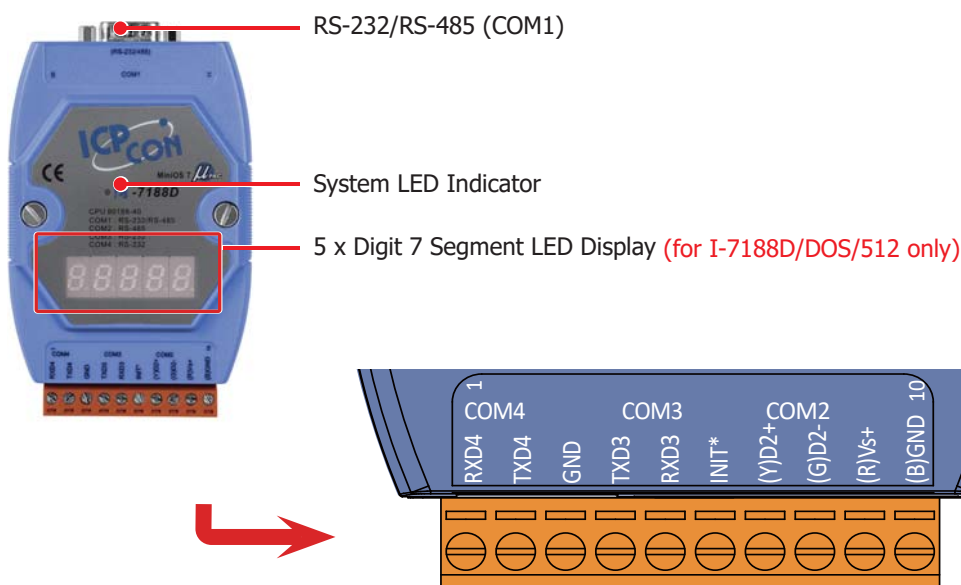
The I-7188(D)/DOS/512 is for industry applications and can be used to replace PC or PLC devices in harsh environments.

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.

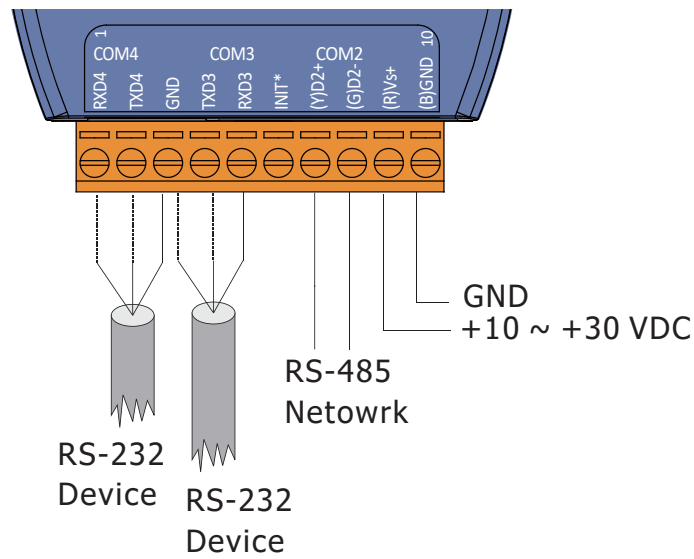
Appearances



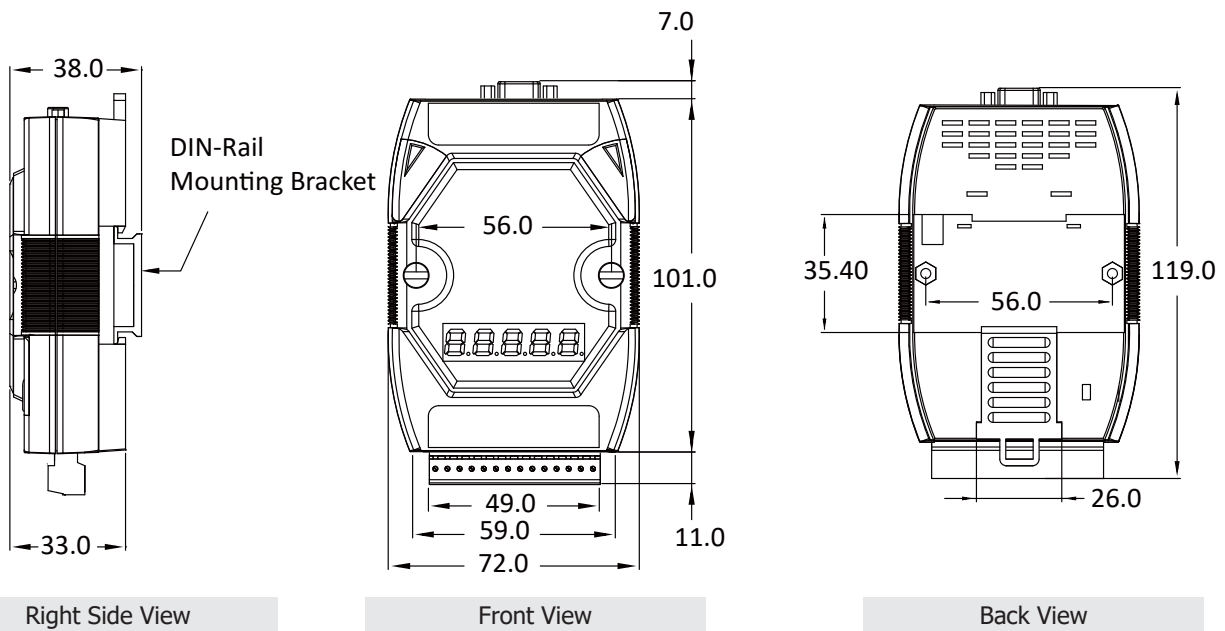
Specifications

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	

Wiring Connections



Dimensions (Units: mm)



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)