



Internal I/O Structure



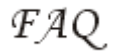
PIN Assignment



Manual



Software



Faq

## I-7188/I-7188D

Embedded Controller



I-7188



I-7188D

### Features

- AMD 's embedded CPU, Am188™ES: 40M or compatible
- Built-in RTC, NVRAM, EEPROM
- Built-in COM port: COM1, COM2, COM3, COM4
- Optional 7-segment LED display
- Built-in ICP DAS 's MiniOS7
- Program download port: COM4

### Applications

- Embedded Controller
- Communication Controller
- Distributed Data Acquisition and control system

### Power consumption

2.0W for I-7188, 3.0W for I-7188D

### Ordering Information

MODEL	DESCRIPTION
I-7188D/256	Embedded controller includes 256K flash, 5-digit display, <b>MiniOS7</b> , download utility, download cable and manual.
I-7188/256	Embedded controller includes 256K flash, <b>MiniOS7</b> , download utility, download cable and manual.
I-7188D/512	Embedded controller includes 512K flash, 5-digit display, <b>MiniOS7</b> , download utility, download cable and manual.
I-7188/512	Embedded controller includes 512K flash, <b>MiniOS7</b> , download utility, download cable and manual. display
<b>OEM Version</b>	
I-7188D/DOS /256	Embedded controller includes 256K flash, 5-digit display, <b>ROM-DOS</b> , download utility, download cable and manual.
I-7188/DOS/256	Embedded controller includes 256K flash, <b>ROM-DOS</b> , download utility, download cable and manual.
I-7188D/DOS /512	Embedded controller includes 512K flash, 5-digit display, <b>ROM-DOS</b> , download utility, download cable and manual.
I-7188/DOS/512	Embedded controller includes 512K flash, <b>ROM-DOS</b> , download utility, download cable and manual. display

### Specifications

- **CPU:** Am188™ES, 40M Hz or compatible
- **SRAM:** 256K bytes
- **Flash Memory:** 256/ 512K bytes; Erase unit is one sector (64K bytes); 100,000 erase/write cycles
- **NVSRAM:** 31 bytes, battery backup, data valid up to 10 years
- **EEPROM:** 2048 bytes ( 8 blocks, each block has 256 bytes);
- Data retention > 100 years; 1,000,000 erase/write cycles
- **Real Time Clock:** Year-2000 compliance; seconds, minutes, hours, date of the month; month, year, valid up from 1980 to 2079
- **COM1:** RS-232 or RS-485 jumper select (JP1), default is RS-232  
RS-232: TXD, RXD, RTS, CTS, DTR, DSR, DCD, RI, GND  
RS-485: D1+, D1-; Communication speed 115200 max.; 16 bytes FIFO
- **COM2:** RS-485 ( D2+, D2-+ ); Communication speed 115200 max.; 16 bytes FIFO
- **COM3:** RS-232 ( TXD3, RXD3, GND); Communication speed 115200 max.
- **COM4:** RS-232 (TXD4, RXD4, GND); Communication speed 115200 max.; Program download port(default); Can be used as general purpose RS-232 port.

### Dimensions

123 x mm x 72 mm x 33 mm

[back](#)