

# Specifications

- **CPU:** Am188TMES, 40M Hz or compatible
- **SRAM:**
  - 512K bytes for I-7188EX
  - 256K bytes for I-7188EX-256
- **Optional battery backup SRAM I/O expansion Boards:**
  - X607: 128K bytes
  - X608: 512K bytes
- **Flash Memory:** 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
- **Ethernet port:** 10Base-T
- **COM1:** RS-232: TXD, RXD, RTS, CTS, GND
- **COM2:** RS-485: D1+, D1-, self-tuner ASIC inside
- **Communication speed:** 115,200 bps max.
- **User defined I/O pins:** 14
- **Operating temperature:** -25°C to +75°C
- **Storage temperature:** -40°C to +80°C
- **Power requirements:** 10 to 30VDC(non-regulated)
- **Power consumption:**
  - 2.0W for I-7188EX
  - 3.0W for I-7188EXD
- **Dimensions:**
  - I-7188EX : 123 mm x 72 mm x 33 mm
  - I-7188EX/DW : 123 mm x 64.5 mm x 19.6 mm