

**Now available
with SCPI
Parser.**

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CONNECTOR PCB

**A/D Converter (Optional)**

The optional A/D converter is also 12 bit with up to 6 channels and output ranges of 0-2.5 and 0-5 VDC. Space for input filter networks are provided.

Digital I/O (Optional)

The digital I/O capability is 32 bits and based on Phillips μ C bi-directional data ports. The ports allow easy interface to standard parallel LCD's and keypads. Sockets for SIP resistor pullups are provided to increase source current if necessary.

Battery Backup and Real-Time Clock (RTC)

The SBC488-OEM includes a 3 volt button cell for SRAM memory retention and RTC functions. The SBC488-OEM RTC provides accurate time keeping even without power. The RTC includes leap year calculations.

Programming Interface

The C programming interface is built in to the SBC488. Software development can be made without the use of any hardware emulators or logic analyzers. Downloading, setting breakpoints, variable watch and single stepping are all supported. EPROM generation is automatic. The C environment is available as an option.

Technical Manual

A complete technical manual includes:

- .. Complete specifications.
- .. Functional descriptions.
- .. Operating Instructions.
- .. Programming Instructions for SBC488-OEM firmware with QuickBasic examples.
- .. Test and Troubleshooting information.

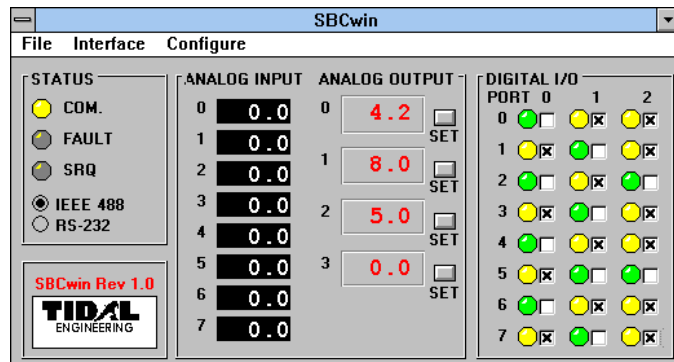
Software

SBC488-OEM includes application firmware in EPROM for:

- .. IEEE 488 Talker and Listener functions.
*ESR?, *STB?, *IDN?, *SRE?, SRE, *ESE?, ESE
- .. RS-232 Functions and I/O
D/A, A/D and Digital I/O commands.
- .. IEEE 488 to RS-232 Converter functions.

A Windows(tm) program called SBCwin is provided to control the SBC488 from a PC using either the RS-232/RS-485 or the IEEE 488 interface. IEEE 488 capability requires IOTech's (tm) GPIB card and software.

The SBC488 and the Visual Basic source code for SBCwin are also available to OEM's as a starting point for your dedicated control program development.

**Price List (prices effective until July 98)**

| Model | Description | QTY 1 |
|---------------|--|-------|
| SBC488-OEM | SBC488-OEM, 9.2 MHz, 32 K Ram, IEEE 488 & RS-232 Interfaces, RTC, includes SBCwin. | \$395 |
| LCDKEY | 20X4 LCD and 16 Key Keypad. | \$165 |
| AD4-x | 11 Channel, 12 Bit A/D Converter, +/- 3 LSB, x=2.5 or 5 volts | \$32 |
| DA4-y | 1 Channel, 12 Bit D/A Converter, +/- 3 LSB, y=2.5 or 5.0 volts- up to 6 D/A channels. | \$17 |
| DIG | 32 Bit Bi-directional Digital I/O. | \$21 |
| SBCwin-source | Visual Basic ® Source code (Includes RS-232 and IEEE 488 interfaces. (IEEE 488 requires IOTech GPIB card and DRVR488W) | \$200 |
| SBC488-source | SBC488 C Source code | \$475 |
| C Dev. | C Language development environment | \$200 |

The SBC488 is available exclusively from:

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Is an ISO-9002 certified distributor of Electronic and Electro-Mechanical components and assemblies. Founded in 1983, ADI serves domestic and international customers in both commercial and military markets. ADI has introduced several high technology board level solutions in joint venture with Tidal Engineering. Tidal Engineering founded in 1994 and also of NJ is involved in contract engineering and product development in embedded software, digital, analog and power electronics.



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