

### **SBC488 Press Release**

WHIPPANY, NEW JERSEY, JANUARY 26, 1996 . . . American Distributors Inc. has announced the release of a new Single Board Computer, the SBC488. The SBC488 incorporates a plethora of modular interfaces and a built in development environment based on Z-World Engineering's Dynamic C. The interfaces/peripherals include IEEE 488 (GPIB) , RS-232, 12 bit D/A, 12 Bit A/D, 24 bit Digital I/O, battery backed RAM, EEPROM and Real Time Clock. The SBC488 is designed for both OEM's and end user applications. The combination of the mature and sophisticated Dynamic C(tm) environment and the large array of peripherals make the SBC488 useful in many different applications. Custom OEM and end user applications can be created quickly and easily. (Dynamic C is available as a low cost option.)

OEMs can use the SBC488 to add IEEE 488 and RS-232 interface/control capability to their equipment. One power supply manufacturer has made the SBC488 an option across their whole product line. The SBC488 can also be used as a low cost replacement to a PC or workstation for repetitive test applications. An RF component manufacturer is using the SBC488 to control their attenuator trim station in a production environment. Finally, the SBC488 can also be used as an RS-232 to IEEE 488 converter.

A Windows(tm) program called SBCwin is available to control the SBC488 from a PC using both the RS-232 and the IEEE 488 interface (IEEE 488 capability requires IOTech's (tm) GPIB card and software). The Visual Basic source code for SBCwin is also available to the OEM as a starting point for a dedicated control program.

The SBC488's A/D, D/A and Digital I/O sections are modular and are isolated from each other and from the communications channels with 2500 VAC Opto-Isolators. Each section has its own power supply. The optional A/D is a 12 Bit converter with up to 8 input channels and ranges of 0-2.5 and 0-5 VDC. The optional D/A converter is also 12 bit with 4 channels and output ranges of 0-2.5, 0-5 and 0-10 VDC. The digital I/O is 24 bits and bi-directional allowing easy interface to standard parallel LCD's and keypads.

American Distributors Inc. (ADI) 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 digital, analog and power electronics.