Who gets blamed when your applications grow and your single board computer doesn't?

Choosing a Single Board Computer (SBC) isn't easy. First, you've got to make sure that the SBC you choose is right for the job you're doing now. With enough speed, memory and flexibility to do what you want.

Next, you've got to make sure that you look far enough ahead, because what may have seemed like a simple enough application at the start can grow very quickly. Suddenly, you need more speed, more memory, and more flexibility.

Finally, the single board computer you've chosen for one function may be called on later to handle completely different tasks as well—not just word processing, for instance, but graphics computation, communications, process control or database management.

In other words, the computer that's at the heart of your system must be the right choice for now, the right choice as your applications grow, and the right choice as your applications change.

K2 Begin with high performance

You won't go wrong starting with the powerful Motorola MC68000 microprocessor, in 10 or 12 MHz versions, 128K bytes of dual-ported on-board memory, the ISBX™ Multimodule interface, capacity for 128K bytes of PROM, and Microbar's unique Dual Bus ™ architecture. That's the basic DBC68K2, the K2.

You'll also get—standard with the K2—features such as programmable baud rates, two 16-bit timers, two RS232C serial ports with asynchronous and synchronous protocols, and dynamically-selectable byte-swapping and word reversing.

The K2: The SBC with Add-Ons

Then add on RAM modules that boost on-board memory to 256Kb or 512Kb, the SBX-compatible parallel I/O module from Microbar, or any of the wide variety of available SBX modules. And, you can add on your choice of memory management options—either a segment-oriented (68451) or 2-level page-oriented MMU. That means you can support high performance operating system software such as XENIX™.

The K2: The SBC that also "Adds Off"

Because of Microbar's clever use of the IEEE 796 bus architecture, you also get the advantages of direct high speed communication between the CPU and all that off-board memory on the P2 connector. With data transfer between memory and other processors handled on the P1 path.

Which means you can "add off"—add more memory boards that back up the K2's on-board memory. Or add other SBCs, with their own processors and memory, for very high-powered computing applications that demand multi-user, multi-tasking performance.

The K2: Versatility that protects your decision

So if you've got the responsibility for choosing an SBC that's right for today's and tomorrow's systems, choose Microbar's DBC68K2. With its add-on and add-off flexibility, and its performance versatility, you'll know the K2's the board that will grow as your applications grow.

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Reader Service Number 1

Please visit our booth at Wescon/Mini Micro West, Booths 5608 and 5610.