

Embedded PCs

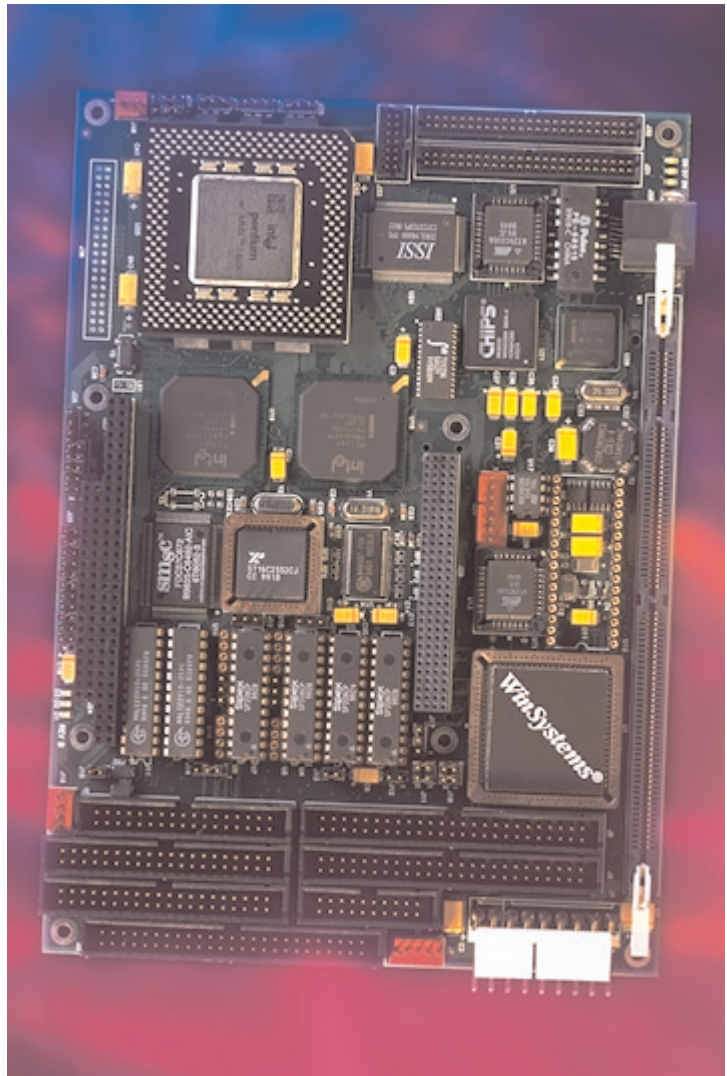
Computers are everywhere. Grocery stores, hospitals, automobiles, factories, and the office. Products exist today that were not even dreamed of only a few years ago. In the process, computers have lost their identity as they are embedded into the application.

More and more applications are calling for embedded computing power in a small form factor, customized for particular functions. With over 500 million 80x86 type CPUs shipped, the Intel and Windows implied architecture has become the dominant standard. Applications continue to grow and multiply because of low cost and familiarity with the hardware.

The key to the embedded PC success is that now both hardware and software are optimized and transportable to meet the application requirement. The PC with its implied hardware design (not just the bus) and software support has become a "technology transfer" tool that allows you to open the seemingly endless applications that before now were unattainable.

The popularity of embedded PCs is in the ability of a user to buy off-the-shelf hardware and customize it with software. The purpose is to shorten the design cycle and lower product development cost, since the learning curve is shorter.

PC/104 and STD Bus expandable PCs are the practical way to embed the PC architecture in space- and power-sensitive applications. By standardizing hardware and software around the broadly supported PC architecture, embedded systems designers can save substantial development costs and risks plus shorten time-to-market.



Rugged, Reliable, and built for harsh environments, WinSystems offers both busless embedded single board computers with PC/104 expansion and computers with a hybrid of both STD Bus and PC/104 Bus support.

WinSystems' embedded computers go where most other computers cannot go. Wide operating temperature (-40^o to +85^oC), careful component selection, and rigorous testing assure an industrial strength product built for the factory floor.



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