# ETX *the fastest way to integrate embedded PC solutions*

ETX- The Concept

„It doesn't fit!" That's what you often hear when selecting CPU boards for industrial, PC-based applications. The usual problems include wrong size, unusable connector locations and missing special functions. The classic way of solving such problems by developing a completely new design requires a lot of time and is not flexible enough to react to ever-changing market demands.

Here is the Solution: ETX stands for Embedded Technology eXtended - the standard for industrial applications. This open standard, designed by JUMPtec®, fits the needs of embedded applications perfectly. Because of this, it is supported by many board vendors who offer their own ETX designs. Complete PC functionality is provided within the very compact 114 mm x 100 mm (4.5" x 4") dimensions of the ETX module. The use of a wide range of CPU classes allows for performance scaleability. Using only four high-density connectors, the ETX is placed on a customized baseboard that contains all of the custom, application-specific functions. By splitting the standard and custom features between the baseboard and the plug-on module, JUMPtec® has developed a solution which offers a highly-flexible mechanical design with exceptional performance scalability. The design expense is reduced to that of a simple baseboard. This baseboard provides the required add-on functionality and places the connectors exactly where they are needed. Upgrading an ETX solution is simple: Keep your baseboard and plug on the next-generation ETX module.
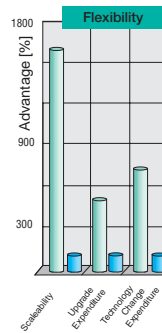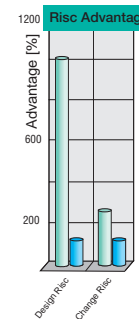
= with ETX
= classic design
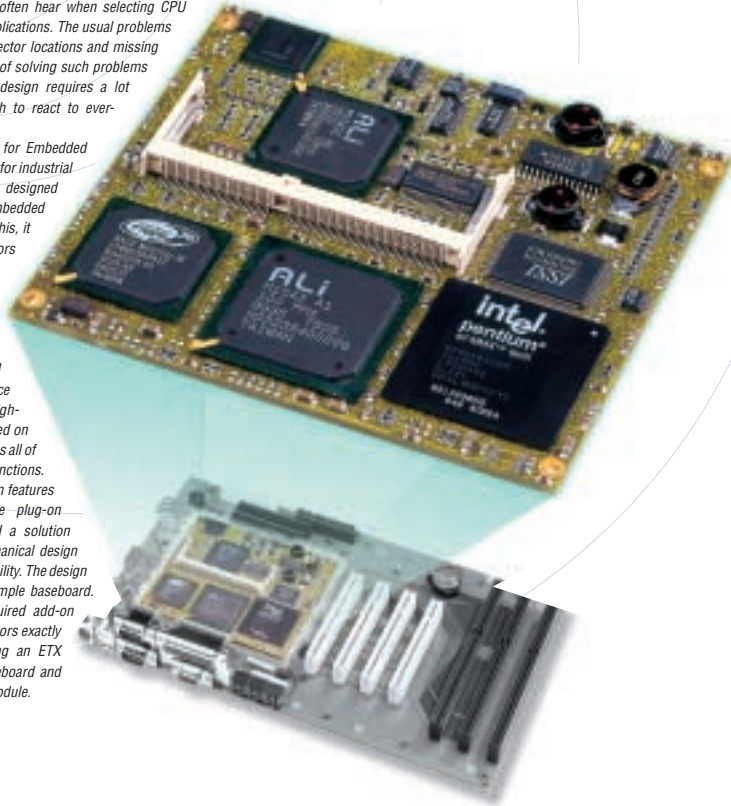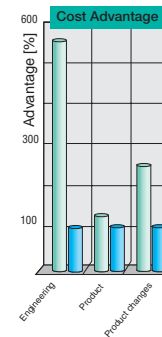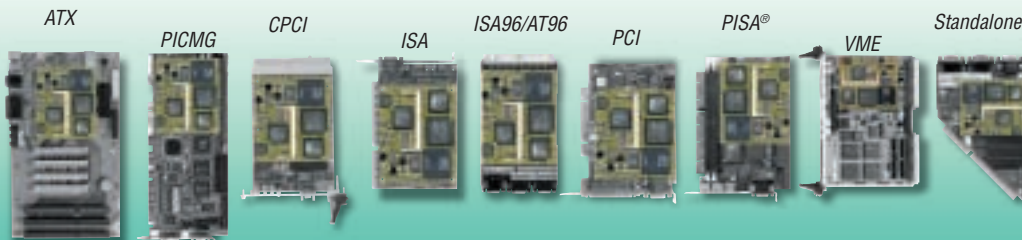
Controlled Cost

ETX saves money. The end product and the development costs are dramatically reduced. This holds true for the product's entire life cycle. ETX provides a cost advantage from the beginning.

Insurance

ETX minimizes risk. Basic changes during the design phase or in the middle of a product's life cycle are no longer a problem. Simply plug in the next-generation ETXmodule and you're set. ETX makes upgrades easy.
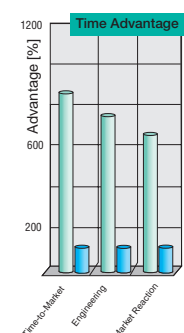
Independence

ETX is flexible, meeting all performance requirements. The ETX module supports a wide range of performance CPUs, including the 486, Pentium® III and X86 processors as well as the future Transmeta Crusoe architecture. The ETX standard is wide open.

Stay on Top

ETX puts you in the lead. The use of a customized baseboard dramatically reduces necessary engineering by separating your design from that of the embedded PC technology. Use ETX in your design and stay focused on your core competency. ETX - easy design - huge time advantage.

ETX Advantages

- full PC functionality
- minimum engineering and adaptation cost
- start software design immediately
- scalable from Elan SC 520 up to Intel® Pentium® III processor
- low cost
- reliable connectors
- no redesign needed in the event of component end of life
- extremely slim design
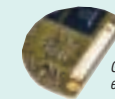
Gas-resistant connectors and mounting holes enable rugged applications.

Extremely slim design allows easy integration.

ETX on all Form Factors

ATX PICMG CPCI ISA ISA96/AT96 PCI PISA® VME Standalone

Medical
Test and Measurement
Automotive

Automation
Internet
Telecommunication