

designing with fuzeblocks

Object Oriented Hardware Design

- Start with specification
- Determine features needed from a menu
- Use our interactive website (or work with applications engineer) to:
 - Select modules needed for your application
 - Select mainboard that accommodates modules, and determine module placement
 - Download a software framework customized to work on your specific hardware
 - Choose from enclosures designed to work with your hardware
 - Upload artwork and order custom faceplates, overlays, and touch keypads
 - Determine cost of all items in prototyping and production quantities
 - Order prototypes or production quantities
- Begin writing application software. Your hardware development is finished and you will have production ready hardware in your hands in days!

benefits of using fuzeblocks

- **Low Development Cost**
 - FuzeBlocks eliminate the need for hardware development
 - Reduce time to market through reconfigurable hardware logic and ready-made software libraries
 - 50% average cost and time savings in development
- **Increase competitiveness**
 - Low development time and cost make test marketing practical
 - Modular approach allows for scalability and system enhancements
 - Customers can easily offer many different versions of their products
 - Unbeatable product design cycles
- **Increase availability and reliability**
 - Lowest risk of development problems and lagging schedules
 - Excellent performance modules and mainboards which use proven designs
 - FuzeBlocks are designed for reliability, even in harsh conditions
 - FuzeBlocks systems are built using the latest production technologies and processes, incorporate only high quality components, and are inspected and tested

should you use fuzeblocks?

suitability of fuzeblocks for your product

Is your new product:

- Microcontroller-based (one or more 8, 16, and/or 32 bit microcontrollers)?
- Utilizing communications (wired and/or wireless internet, USB, RS232, RS485, Bluetooth, IrDA, or GPRS)?
- Incorporating motion control (DC motors with PWM, stepper motors, etc)?
- Primarily intended for industrial, robotics, automation, or non-consumer applications?
- Using sensors and actuators to interact with its environment?
- Initial build quantities of 10,000 units or less?

If 3 or more of the above apply to your product idea, it is likely that FuzeBlocks represent the best performing and lowest cost product solution for your application.