Help! Needing hint on Microcontroller

Source: http://sci.tech−archive.net/Archive/sci.electronics.design/2005−09/msg03423.html

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- *Date*: Sun, 18 Sep 2005 23:09:01 +0200

Hello all!

Due to the costs and size of multichannel I/O RC−model Transmitters & Receivers I want to design a Bluetooth using, microcontroller based remote control.
The pcb's in the receiver and the transmitter shall be equal, as there is a lot of data to be picked up and put out on both sides, as the vehicle has compass and tilt sensor, battery monitor and similar equipment, and the transmitter has to display these info's on both analoguous and digital displays.

What I am still thinking about is the main microcontroller on both sides − ideally it's a µC with a USB−Interface to make use of a cheap USB−Bluetooth−module, I would need about 8 output ports to act as servo−data lines, 4 to 8 digital inputs and at least 4 analog inputs.
Furthermore the controller needs to be in−system programmable and ideally programmable with some higher−level language such as C or C++ or even Java.

Any ideas anyone? Input warmly welcome!
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Sincerely

Ruediger

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