SOFTWARE AND ARCHITECTURE

RESPONSIBILITIES

MICROCONTROLLER

Serial communications:

USART Interface

Data handling

Receiving (data requests)

Processing (AD conversions)

Transmission (ADC values)

COMPUTER

Serial communications:

COM port interaction

Data handling

Receiving (ADC values)

Processing (converting, logging)

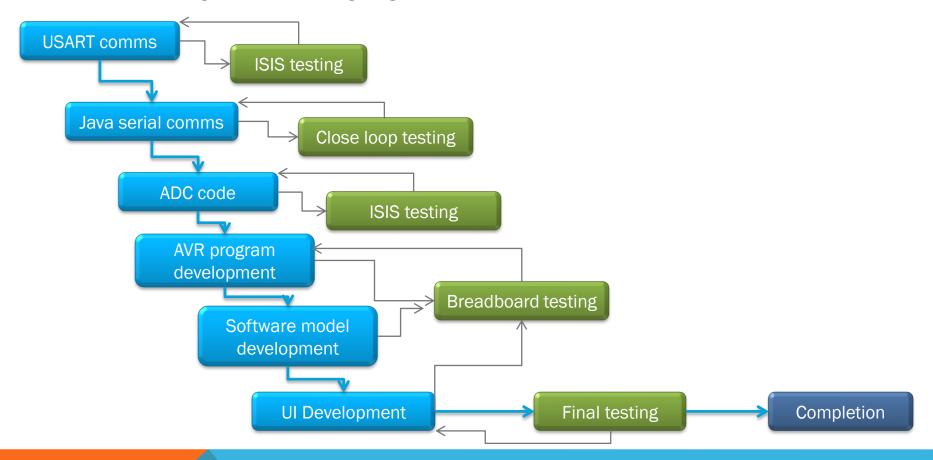
Transmission (data requests)

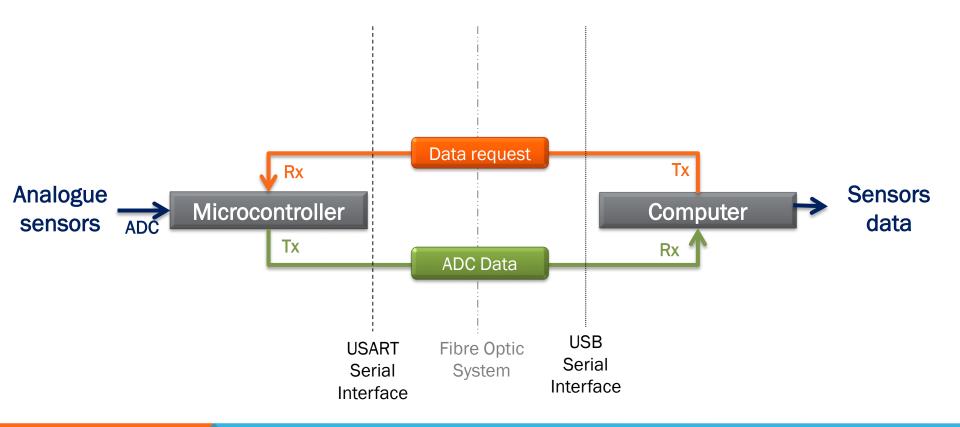
User Interaction

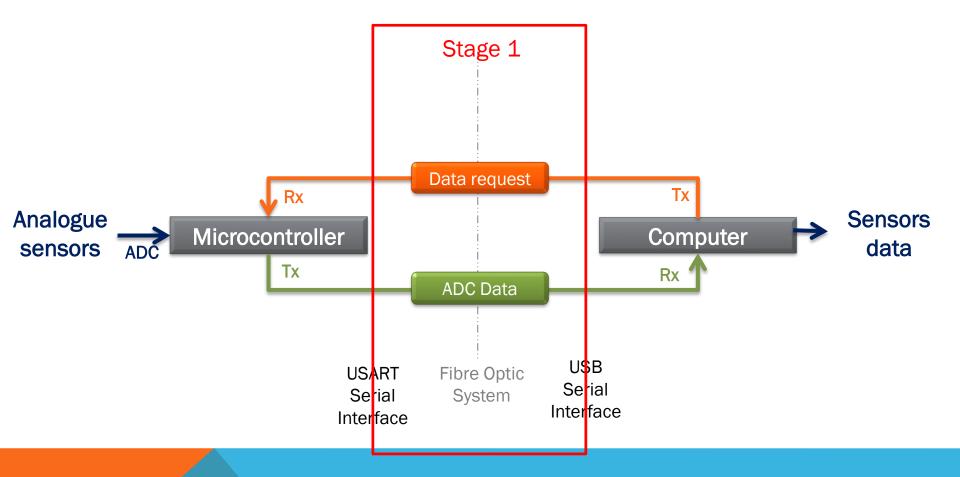
GUI (Graphic User Interface)

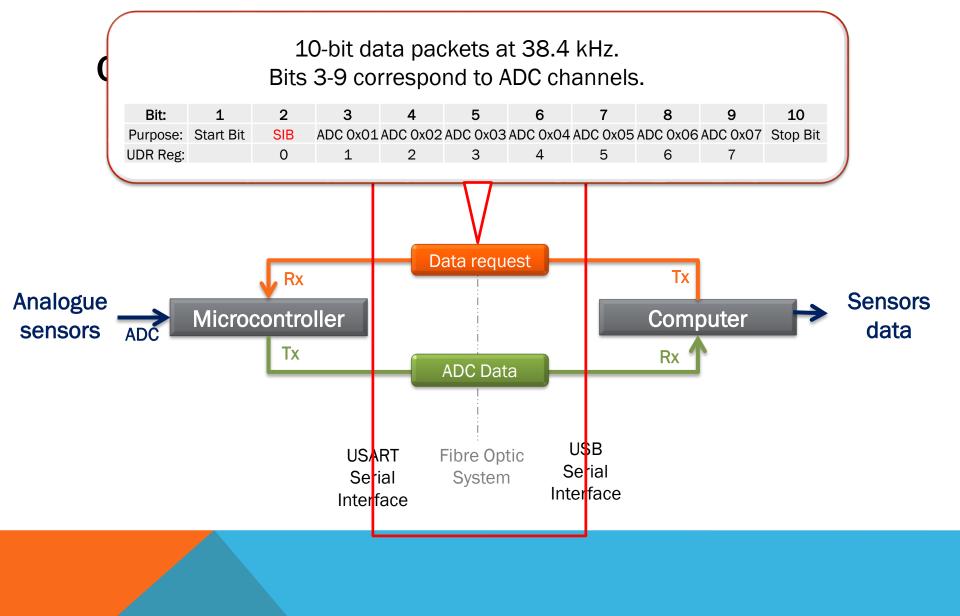
Logging data to file

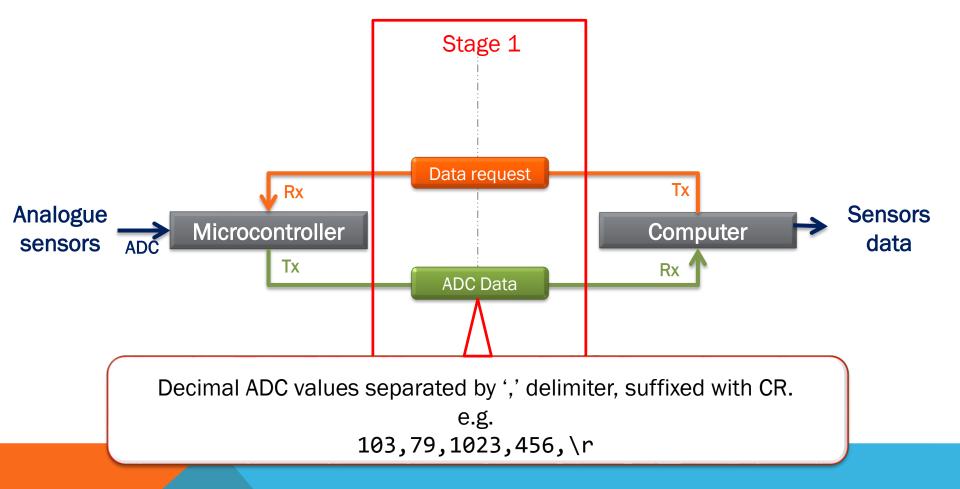
DEVELOPMENT CYCLE

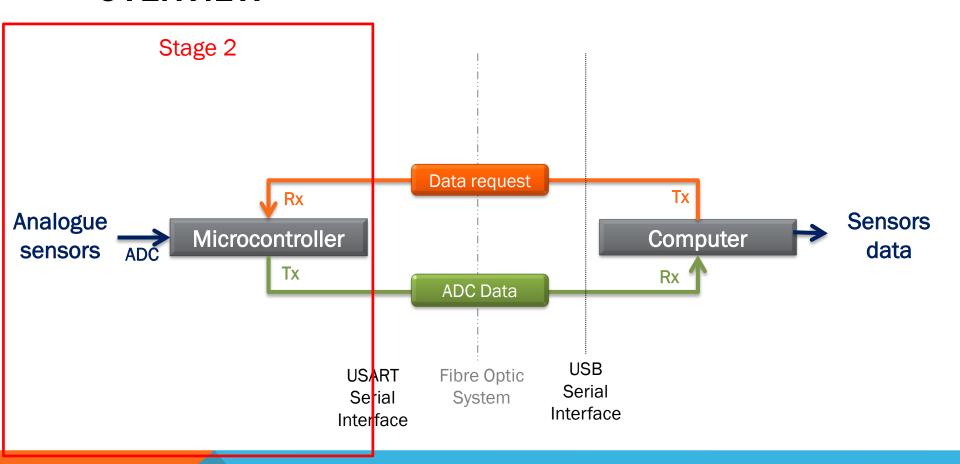


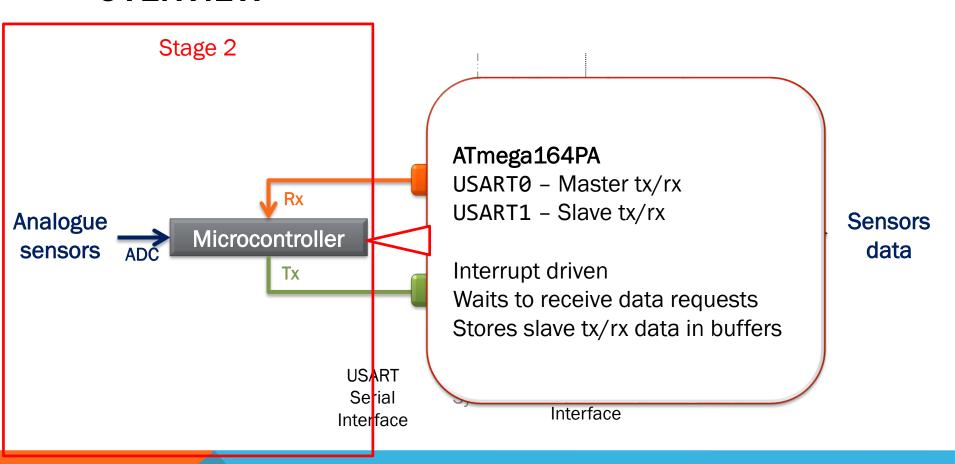


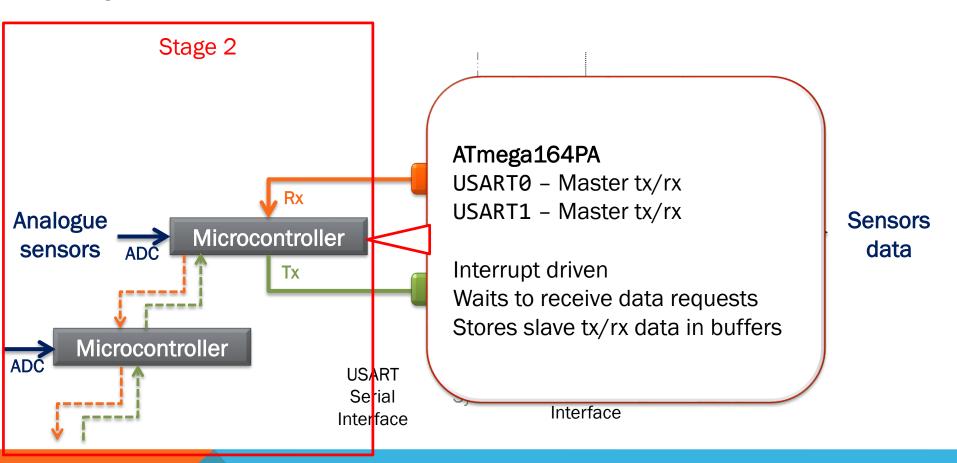


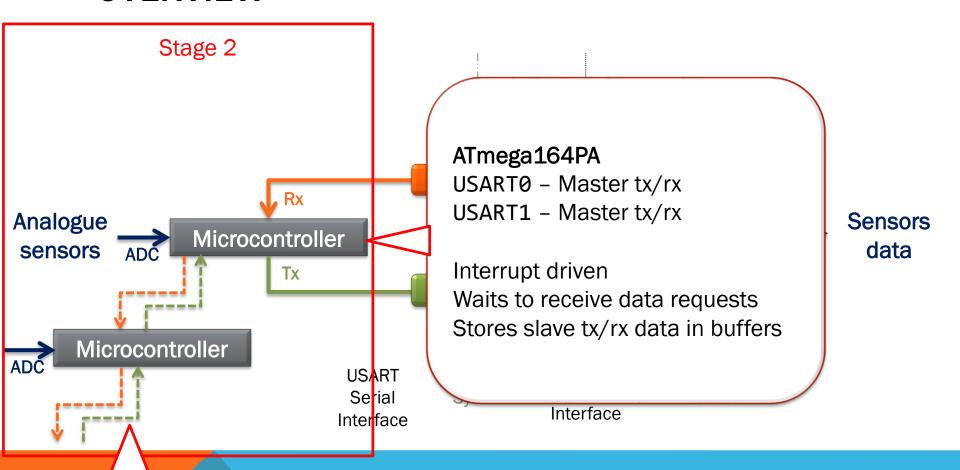












Support for up to 15 Microcontroller modules

Up to 105 analogue sensors

