Software Architecture

Controller MCU Architecture   (Using: MSP430FR2355)

External Devices	RGB LED	Keypad	Temperature Sensor

use (3)

Internal MCU Driver	pwm		N-Count

Built-in	Timer	GPIO	ADC

I2C →

LED Bar MCU Architecture   (Using: MSP430FR2310)

External Devices	LED Bar

Internal MCU Driver	

Built-in	Timer	GPIO

I2C

LCD MCU Architecture   (Using: MSP430FR2310)

External Devices	LCD Display	Status LED

Internal MCU Driver	LCD Data Control	

Built-in	LCD Command Control	GPIO	Timer