**Difference between Microcontroller/Microprocessor**

These are the diffrence. They are easy to understand.

Microprocessor = cpu

Microcontroller = cpu + peripherals + memory

Peripherals = ports + clock + timers + uarts + adc converters +lcd drivers + dac + other stuff

Memory = eeprom + sram + eprom + flash

A microcontroller has a combination of all this stuff. A microprocessor is just a CPU .

Some of them are 8051, 8255, 8253/8454(timer), 8279 (keyboard/display controller).