Power Subsystem Microcontroller Subsystem **Appliance** 120AC, Rated 10A **USB** Module (development) Vcc / V_Data up to 3.3V Temperature Sensor ⁻5 V T_data (up to 3.3V) 240 m range Microcontroller + Application Bluetooth Module V_data (up to 3.3V) Vcc = 3.3VV_data (up to 3.3V)_ Voltage Sensor **Current Sensor** 5-3.3V Step Down Converter 5 V 120AC, Rated 10A **↑** 5 V 120AC Vsignal = 3.3V Power Relay Vsignal= 5V 3.3 to 5 V 5 V Battary boost 120AC, Rated 10A Socket

Sensor Subsystem