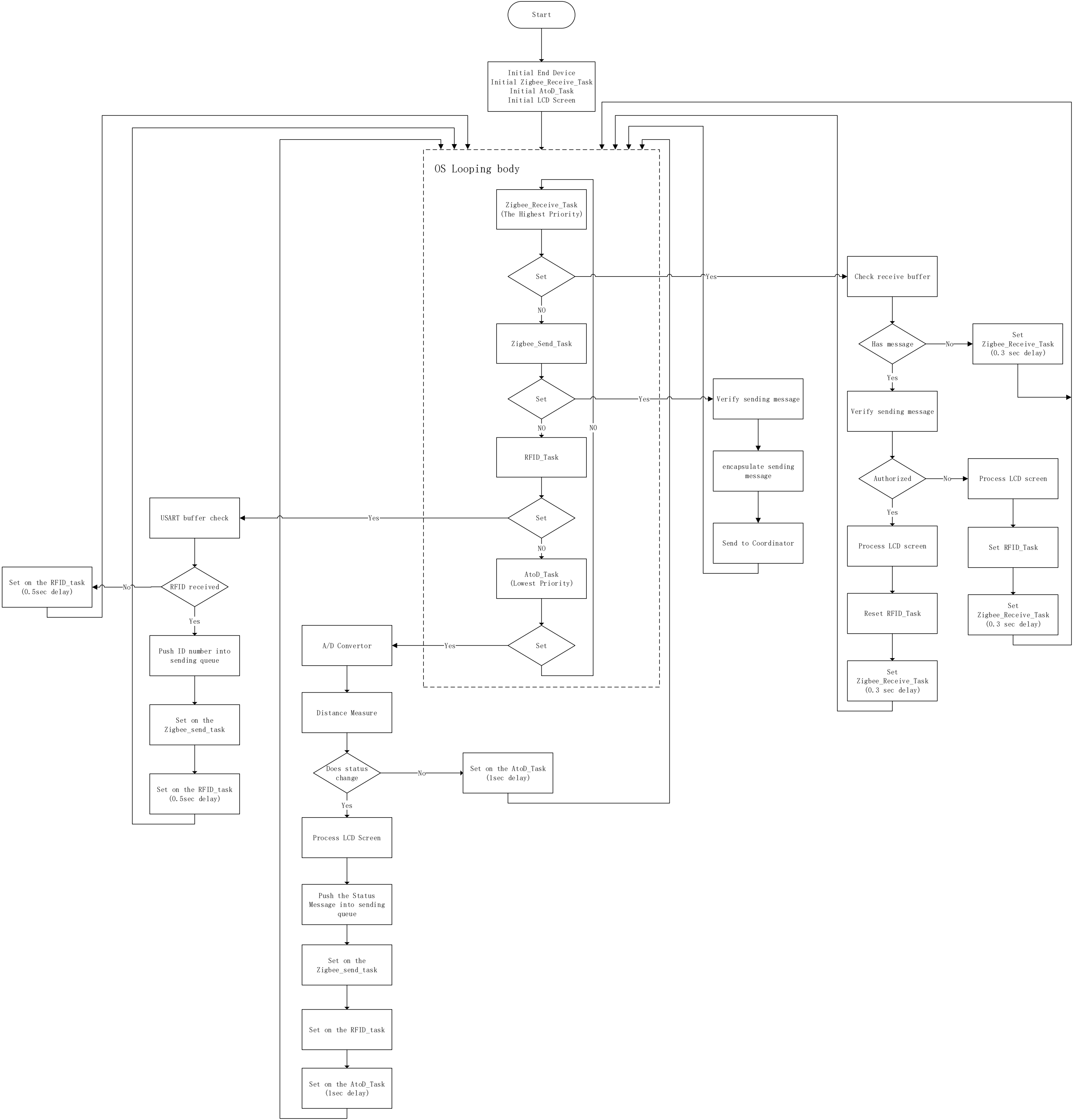
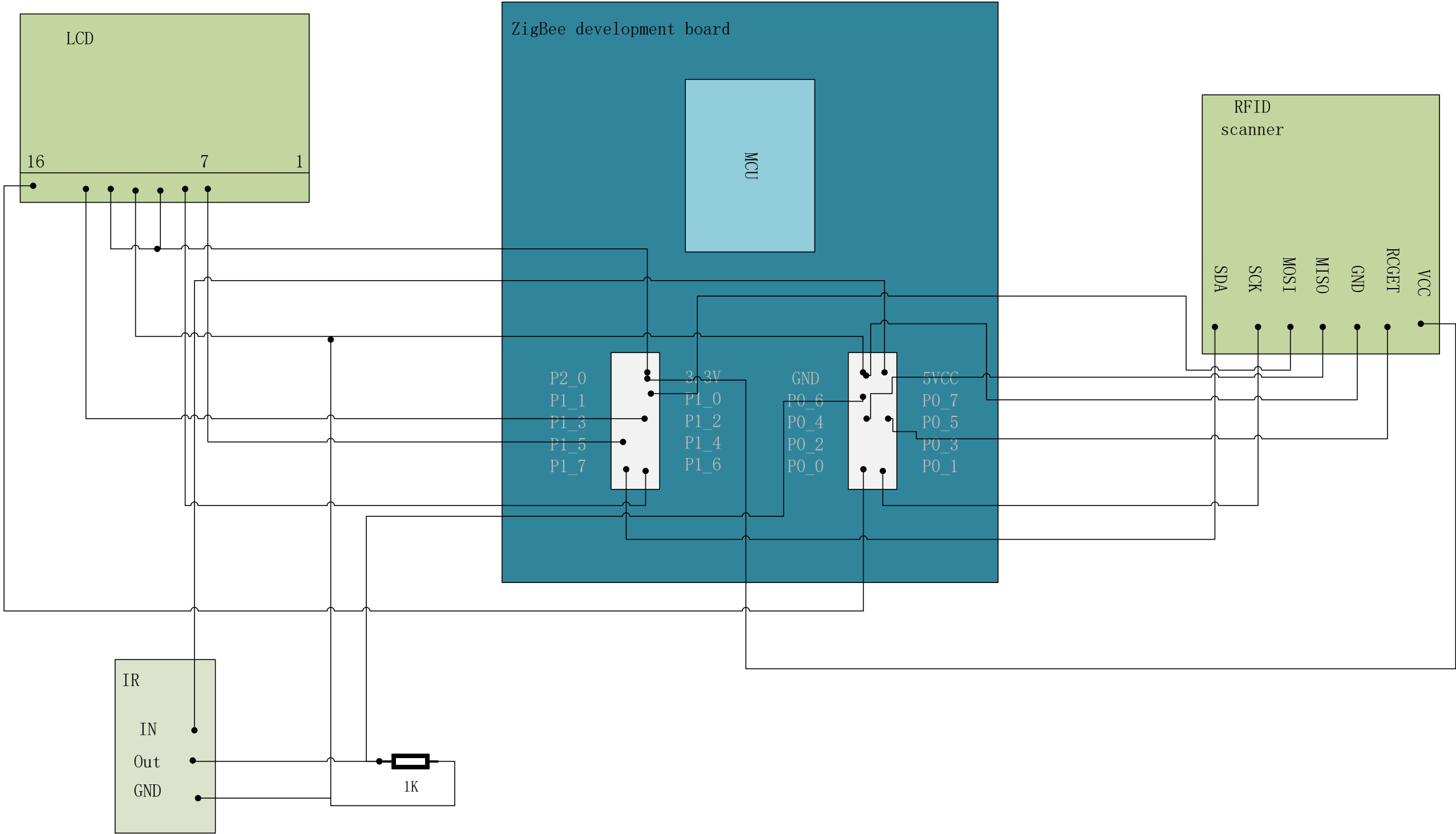


8051 architecture MCU
Zstack Operating System
Multi-task embedded system
End-device software diagram

Four Tasks:
AtoD_task: check the presence of vehicle
RFID_task: grab RFID number
ZigBee_send_task: send info to coordinator
ZigBee_receice_task: check receive package
Other sources:
RFID driver
LCD driver
Infrared sensor deiver



End device wire diagram



8051 architecture MCU
Zstack Operating System
Multi-task embedded system
Coordinator software diagram

Five Tasks:
Push_task: keep same NAT table in the carrier
USART_send_task: send package to WIFI module
USART_receive_task: receive package from WIFI module
ZigBee_receive_task: receive package from end devices
ZigBee_send_task: send package to end devices

