HANDHELD RFID SOLUTION

1.Diagram Block

LCD RGB 3.5 inch	←OutPut		Wifi ↔	DGS
Buzzer	←Output	IOT ESP32	SPI ↔	SD Card
Button "MENU"	Input→		Read/Write ↔	Module UHF RFID
Button "<< >>"	Input→		←Analog	Check battery capacity
Button "Scan"	Input→		Output→	LED Status GRB
			←Power	Battery. ← Module Charger
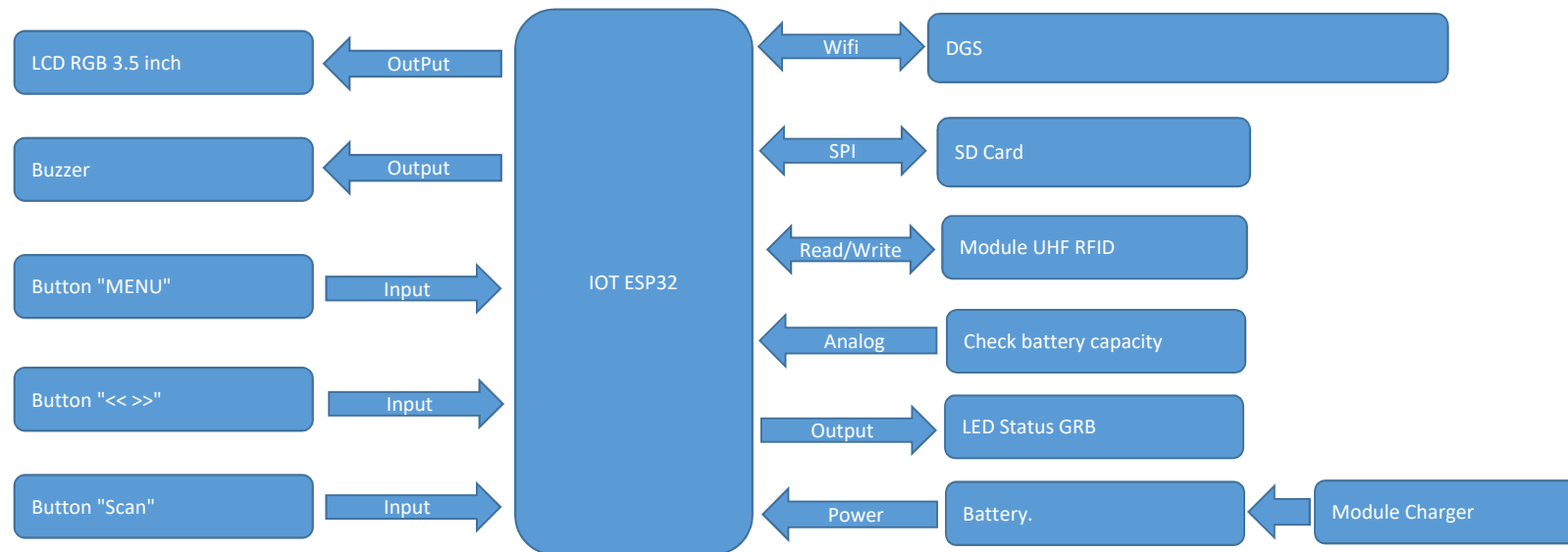
DGS:

Store and exchange information for the system.

SD Card:

Store data if unable to send to DGS.

Module UHF RFID:

Read tag Rfid.

LCD RGB 3.5 inch

Display information of System.

Buzzer

Sound notification

Button "MENU":

Buttton control menu

Button "<< >>":

Cursor movement button.

Button "Scan":

Button Control Rfid Scan.

Battery:

Power of Rfid handheld.

Led Status RGB:

Shows the status when the device enters sleep mode

2.Describe

When scan is pressed, the necessary information will be read and sent to DGS.

If there is a problem, it will be saved to the SD card, and when the connection is normal, it will be sent back.

LCD 3.5 inch.

133mm

78mm

Module RFID.

Scan Button

40mm

50mm

Ceramic antenna gain : 3dbi

Read range: 0-2.5 m

(depend on tags and environment)

Read

New UHF RFID Label Tag IN9654