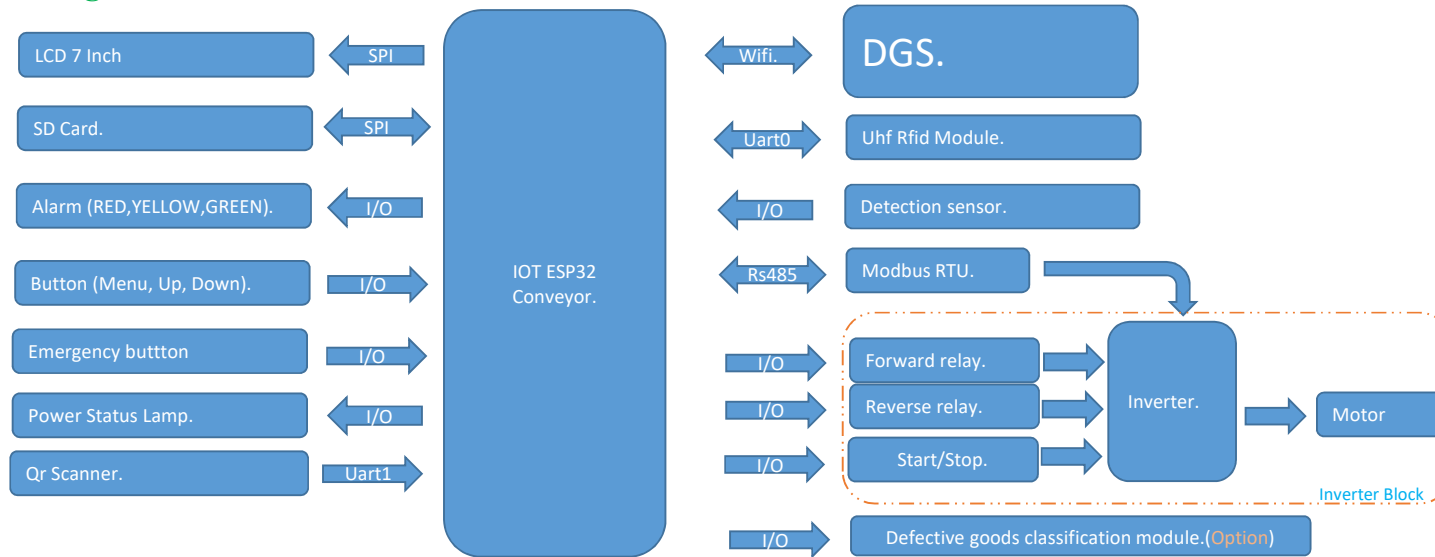# Read/Write RFID Conveyor Solution.

1.Diagram Block

DGS:
> Store information and data for system.

LCD 7 Inch:
> Information display for user.

Uhf Rfid Module:
> Module read/write uhf rfid tag information.

SD Card:
> Store data if there are communication problens with DGS.

Detection sensor:
> Used to detect bags on conveyor belts.

Alarm(red, yellow,green):
> System warning light.

Modbus RTU:
> Control and read conveyor parameters from the inverter.

Inverter Block:
> Speed control for conveyor belt.

Button(Menu, Up, Down):
> Control button.

Emergency button:
> Emergency button.

Power Status Lamp:
> Power light.

Qr Scanner:
> Read information for System by Qrcode.

Defective goods classification module (option):
> Option to add product classification.

2.Describe

The system can perform two functions of reading and writing product information passing through the conveyor belt.
If a product passes through the tape and cannot perform the read/write function, the system will report an error.
Depending on the location, a classification function can be added.
Information recorded on the product will be loaded from DGS through reading "MES packagegroup" from Qr Scanner.
When the connection to DGS fails, the system will save data to the SD card to ensure continued use of the system.