# System Features

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Input data

The data entered may be a product barcode or new product data like price and par code. The Barcode consists of 6 decimal digits so the product numbers that can be entered in the system are too much. Also the price has six decimal digits. The data entered by a key pad; it’s very simple.

Simple output

The output will be very simple; the screen used is Nokia LCD. When you get started you have to enter the password then the menu appears, now you have many options, you can check the product price by its barcode, making receipt, adding new product, modify a product data, modify password or product rating.

Customer’s change calculation

The system has a simple calculator to calculate the receipt, it is flexible and any modification on the receipt automatically modify the net balance, also you can use it as a calculator,

There are many times you will find yourself in need to make a quick decision in front of a customer; this is going to help you too much.

Security

It is important to acknowledge that all new systems do have some levels of risk when it comes to security. To access the safe you have to enter a password; if the entered password is wrong three times in series, an alarm will operate as indication to an unsecured activity. To modify the product data-the price for example- you have to enter another password but there is no alarm in this case, just try after certain time which increases after every wrong entry.

Handling wrong data

The entered data must have a certain value barcode or price with constrains that are mentioned in the input section, but if the data is out of the constrains the system doesn’t fail; it just gives out a message to enter the data again.

Sale rate for all products

You may buy similar product from different companies; so you need to know what’s sold more than the other so that you buy from that one company, the system gives you the availability for such a process.

At any time you can check the sale rate for any product at a day or month, sale rating will be the number of sold products at a certain time.

Storage data

You can store many products’ data on the system and it will be safe if the system fails, the data is the product data, sale rate and the net balance also you can clear or modify any data, just enter the password and do what you like.

Temperature indication

For sure you want to protect your market from any accident; and the most accident you may face is the fire. The system has a temperature sensor always displays the teperature on the LCD and operates the alarm at a certain temperature which will indicate to a fire, then the system will stop automatically

Low priced

The system is multi-functional; it is not only a cashier machine, it also can work as a fire alarm. So you don’t have to buy two systems to perform such a functionality because you have all you need in such one system. Even the components are very cheap; just key pad, LCD, controller and some simple electronic components. The net price is nothing compared to the value from such a project.

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Robust Hardware

Your hardware is going to get handled by lots of people, and most of the time their hands will be covered by food and stains. You want hardware capable of holding up to the task, so that you don’t have to replace it every couple of years. So the hardware will be strong enough to work under stress which will help you not to by new one or even think of its maintenance.

Maintenance ease

Knowing the fact that our system is reliable and can handle many things, but surely it will need a periodic maintenance check to make sure of the best performance. The point is the technology used is not that complicated; so it will be an easy process to maintain such a system

Electricity and batteries usage

There are too many technologies you may find to perform such a task, but there is always a concern which is how much you will pay for its electricity consumption. The system needs 5 volts which is low voltage, you can use a battery or adaptor for such a purpose. This will help largely in decreasing the electricity consumption then the extra costs.