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PENDRIVE TO PENDRIVE DATA TRANSFER WITHOUT USING PC

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ABSRACT

Generally, we used to transfer data between two pen drives by using laptops or desktops. But it is not always possible to carry such a large size device to the particular location. So to overcome this problem, we are designing a hardware which is more compact to carry anywhere. With the help of this project we can not only transfer the data but also we can see the transfer of the particular file which we want to send by using LCD display. In our project we are transferring the data between two pen drives without using any computers or laptops. We have designed a project which is known as pen drive to pen drive data transfer, and pen drives to mobile in which we will be transferring the data between two pen drives and pen drives to mobile using ARM processor.

Keyword: ARM=Advance Risk machine.

I. INTRODUCTION

Several data and application are developed daily which common computer user has to transfer from one USB Flash device into another, with the minimum wastage of time. For this user has to first find a computer then wait for it to boot up, then plug in his device, and then transfer the data. Carrying a computer or a laptop just for the sake of data transfer is not affordable these days in the age when people want all devices to be handy. More- over, data via a computer involves a lot of power to be wasted, since the computer has to be entirely functional before it can transfer data.

Also, the threat of viruses and malware has made the life of computer users more complicated. These viruses get activated as soon as the device is plugged into the system and get copied along with other data from one ash device into another. Our project here can provide a valuable solution to all problems faced by person in above situations. Our aim is to build a small and handy device to transfer data from one USB Flash device to another.

II. EXISTING SYSTEM

The idea of this project was taken, looking at the problems faced in daily life of Flash Drive Users to transfer the data from one disk to another. Carrying a computer or a laptop just for the sake of data transfer is not affordable these days in the age when people want all devices to be as small and handy as possible. Moreover, transferring data via a computer involves a lot of power to be wasted. There are numerous types of data transactions that are being carried out through these devices. However to operate these devices most of the times an operating system is required which calls for the hosts to be extremely complicated system hence accessing these devices requires complicated hardware, hence a controller that can handle the data transfer and initiates the USB transactions was searched.

III. PROPOSED SYSTEM

The system involves Pen drive to Pen drive data transfer Technique

A] Block Diagram

The Block diagram of device as shown in fig [1]. In this system we use the Raspberry pi , color touch screen display, Power supply, USB device and Bluetooth module.

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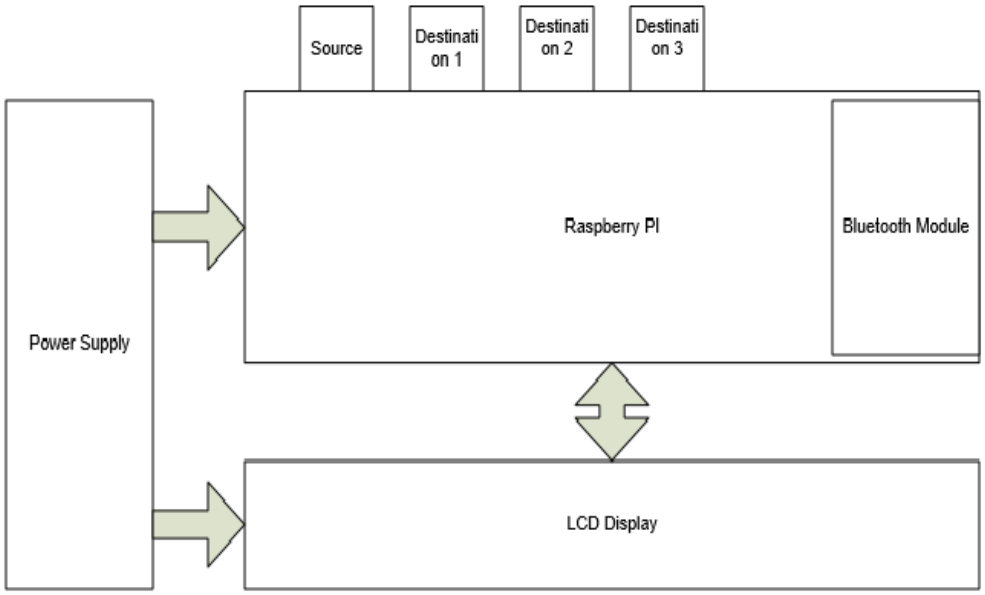
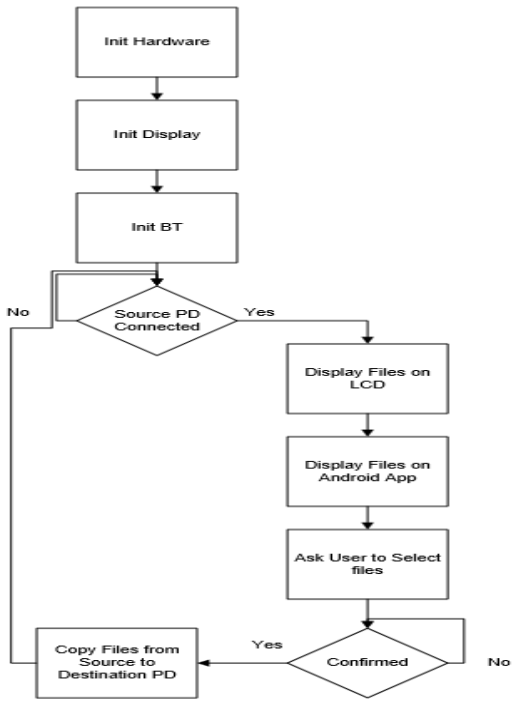


Fig 1: Block diagram of project

In this block diagram it shows Raspberry pi module, touch screen display, power suplply. In this device main part is raspberry pi module hardware.All of the other hardware is interface with raspberry pi module.In other hardware is touch screen display,power supply and pen drive.

For using inbuilt Bluetooth module it interface with android mobile. When pendrive connect with that device it ask for master and slave port to select when it select then in data transfer is done.

B] System data flow diagram



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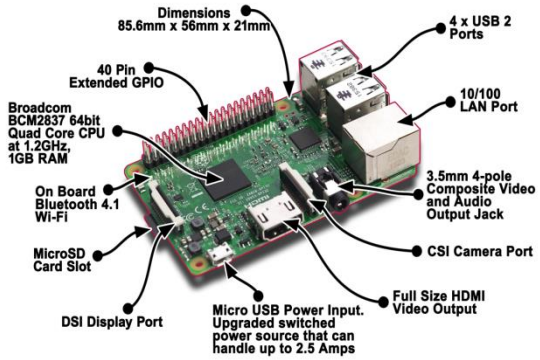
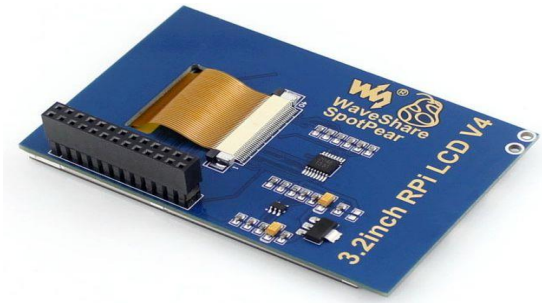
COMPONENT DEATIAL

1)Raspberry pi 3b



The Raspberry Pi 3 Model B is the third generation Raspberry Pi. This powerful credit-card sized single board computer can be used for many applications and supersedes the original Raspberry Pi Model B+ and Raspberry Pi 2 Model B. Whilst maintaining the popular board format the Raspberry Pi 3 Model B brings you a more powerful processer, 10x faster than the first generation Raspberry Pi. Additionally it adds wireless LAN & Bluetooth connectivityMaking it the ideal solution for powerful connected designs. It is 40 port multiple use device.It is easily interface with any displyeg. Computer display ,touch screen display.

2)Touch screen display



To operate device properly and handy with user we connect the LCD display. 320×240 resolution.Driver is support to its own raspberryian or ubantuos.
Supports Raspberry pi osRaspberryianoseasely, enables your system to: Support software keyboard (system interaction without keyboard/mouse).It interface with easelyrapsperry pi model.While using this lcd display we can look pr watch any image or any document file without using pc or mobile.

3)Pen drive

USB Flash drive is a removable flash disk drive with USB connection and can support various storage capacities. USB Flash drive is compatible with both USB 1.1 and USB 2.0 specification. USB Flash drive is a plug and play device, simply plug into any USB port and it will automatically be detected by the computer as a removable drive. Now you can read, write, copy, delete and move data from your hard disk drive to the USB Flash drive.USB Flash drive is so compact that you can take it with you anywhere in your pocket. Now, you don't have to carry a laptop computer with you to work if you have access to a computer. Moreover, USB Flash drive does not require any battery, cables or software drivers. It is compatible with any desktop or notebook computer with a USB port.

IV. ADVANTAGES

1) It is simple in use.

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2) It very handy with user.

V. APPLICATION

1)It is usefull in IT sector compony.

2)isis mostly need in collage campus or lab.

3)It is most usefull in picnic places to share or transfer data easily.

VI. EXPERIMENTAL RESULTS

In completion of this device then completely prosess of data transfer is easely done. For using this one pendrive connect With onotherpendrive,select the which dat we want to transmit and selct to copy option,when it said copy then all data which is copy is directaly copied into the another pendrive.

VII. CONCLUSION

The Pd to Pd data transfer is satisfactorily works as per principle. Then it most applicable use in many field. This device is easily and successfullytravele in all over. Using this technology data transfer is more efficient in daily life or in office work or collage work.

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3. "USB to USB and mobile data transfer without connecting to pc using ARM Processor".

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