



**Circuit description:**

- U8 convert 5V, which is from computer, to 3.3V that is used to provide power for the USB Hard Disk.
- U2, USB controller is as bridge between the computer and transaction IC U1. It gets data from computer and store to Hard Disk or get data from Hard Disk through the transaction IC and then transfer to computer.
- The Transaction IC, U1, is as a bridge between the USB controller IC and the Hard disk. Data transfer must be through this IC.
- The EEPROM, U7, is used to store the configuration information.
- The Reset IC, U5, reset U2 and U1 when power up.
- LED is used to indicate that the unit is on or data is transferring.

UHP900 Block Diagram