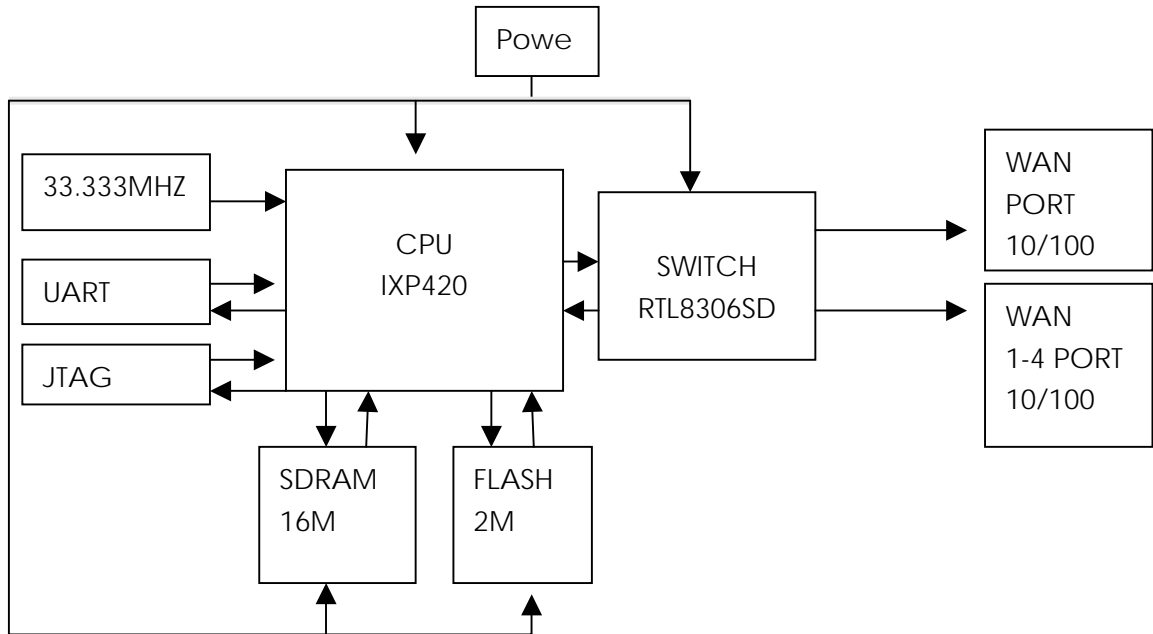


Schematic Diagram for HiPER 811



Power Supplies:

1. AC to DC

Shown in the diagram, MGZ-U15S12 is designed as the SMPS to convert the AC (100 – 240V) input to DC (12V).

2. DC12V to DC3.3V、DC3.3V to DC1.3V

i) U3 (MC34063), U2 (3904) and U1 (9435) are designed to convert DC 12V to DC 3.3V.

ii) LDO Q1 (1084) is designed to convert DC 3.3V to DC 1.3V.

System Principles:

1. SWITCH (RTL8306SD) will convert the analog Ethernet signal to digital data, then delivers the data to CPU; and convert the CPU digital data to analog signal, then delivers the signal to Ethernet.

2. FLASH is the memory to store the software.
3. SDRAM is the memory to store the data when the software is running.
4. CPU (IXP420) is to execute data processing and instructions.