**[16\*8 bit RAM](https://www.youtube.com/watch?v=dWdzywzoWck&list=PLk4sSigu0N0W4v755N_O6Jk1WWrfWIGgm&index=6) :**

It can store 128 bit data.There are 16 address location. In each location can be stored 8bits. Addresses are coming from the address selector.RAM is built from the very scratch level.There is a multiplexer connected to the 8 bit RAM. There are 16 8-Bit RAM here.

A computer screen shot of a circuit board

Description automatically generated

In each 8 bit RAM, there are 8 1-Bit RAM. There all Data lines and enable line pins are shorted.

A computer screen shot of a diagram

Description automatically generated

Each 1-Bit RAM is basically a D-flip flop build from scratch ( logic gates).

A diagram of a computer

Description automatically generated

These 8-Bit RAMs are connected to 8-bit bus.