

How Computers Work

A quick introduction to the building blocks of hardware and software

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Topics Covered

1. Logic Gates (NAND, AND, OR, XOR, NOR, etc.)
2. Transistors (MOSFET)
3. Memory: Flip-flops, RAM
4. Computation: Arithmetic, ALU
5. CPU architecture and overview of assembly language
6. Assembly language (MIPS)
7. From assembly to modern software