



ATtiny85 is a small 8-pin microcontroller from Atmel and is based on Atmel's 8-bit RISC architecture. ATtiny85 is a high-performance, low-power microcontroller which combines 8KB ISP flash memory, 512B EEPROM, 512-Byte SRAM, 6 general purpose I/O lines, 32 general purpose working registers, one 8-bit timer/counter with compare modes, one 8-bit high speed timer/counter, USI, internal and external Interrupts, 4-channel 10-bit Analog to Digital converter, programmable watchdog timer with internal oscillator, three software selectable power saving modes, and debug WIRE for on-chip debugging. The device achieves a throughput of 20 MIPS at 20 MHz and operates between 2.7-5.5 volts.

By executing powerful instructions in a single clock cycle, the device achieves throughputs approaching 1 MIPS per MHz, balancing power consumption and processing speed.

#### **Features of ATtiny85 Microcontroller:-**

- Flash (Kbytes): 8 Kbytes
- Pin Count: 8
- Max. Operating Freq. (MHz): 20 MHz
- CPU: 8-bit AVR
- Number of Touch Channels: 3
- Hardware QTouch Acquisition: No
- Max I/O Pins: 6
- Ext Interrupts: 6
- USB Interface: No