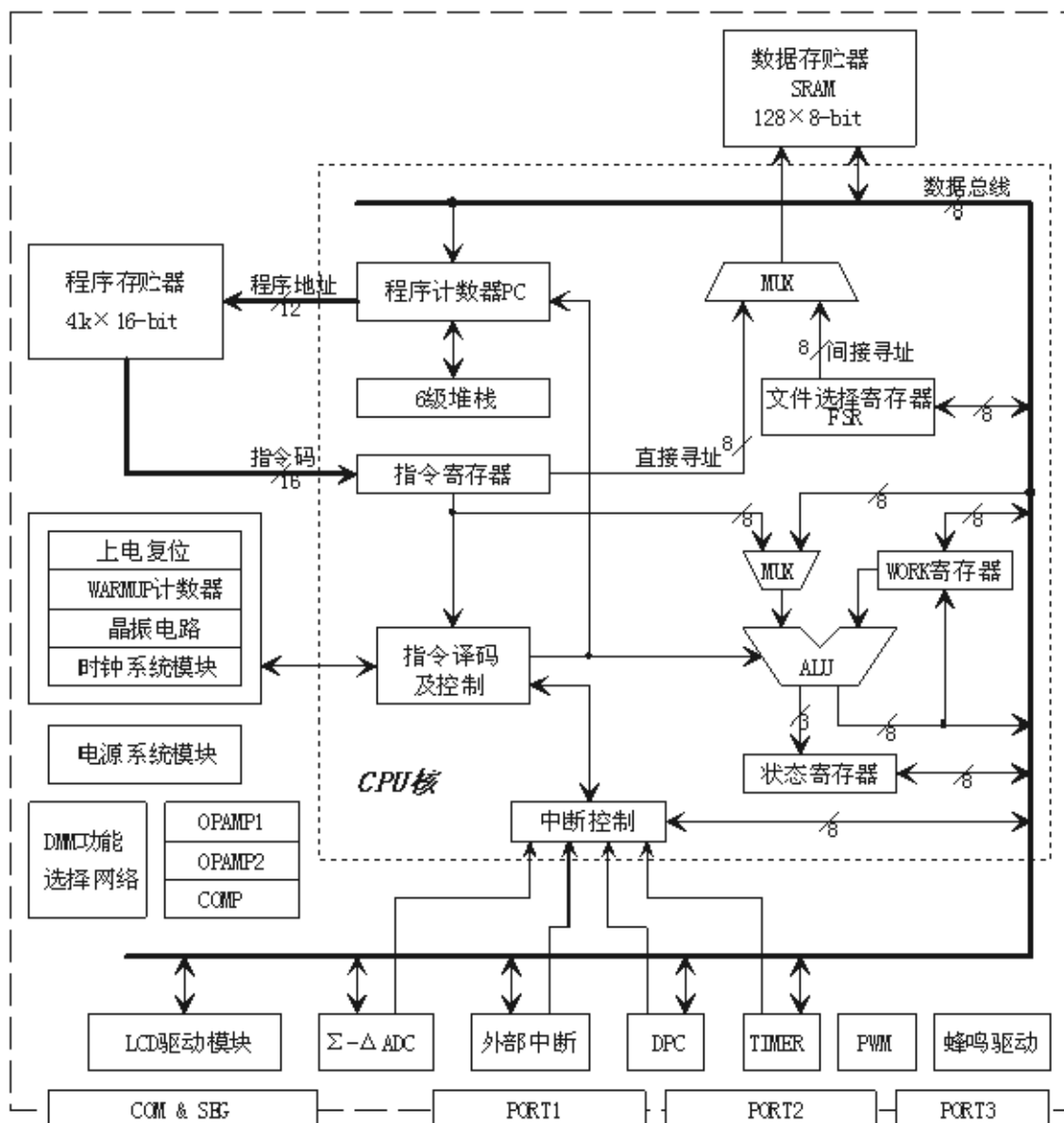


Overview

The CS7721 is a high performance, low power, 3 ¼ bit ADC with analog to digital converter with 8-bit microprocessor , low noise, high stability op amp, AC rectified operational amplifier, voltage doubler and level modulation circuit, high stability Bandgap reference source, automatic range conversion and function control circuit, frequency and duty cycle measurement circuit, buzzer drive circuit, Clock oscillation circuit, backlight display/control circuit, LCD display drive circuit.

Its characteristics are as follows:

- Power supply voltage range: 2.4 ~ 3.6V
- Maximum display: 4000 (3/digits)
- Conversion rate: 3 times / sec
- Negative polarity indication: automatic
- Low voltage indication: about 2.4V
- Clock source: 4MHz crystal oscillator
- Built-in buzzer drive circuit (frequency about 2.7kHz)
- With RS232 serial data output function
- Built-in AC/DC converter operational amplifier
- With unit symbol display function
- With reading hold function
- With backlight display
- With automatic shutdown function (can be canceled in use)
- Measurement type: DC voltage / AC voltage / DC current / AC current / Resistance / Diode Open short circuit detection / frequency / duty cycle
- Package: QFP100, soft seal
- Main use: automatic range handheld digital multimeter Automatic range card type digital multimeter Automatic range pen type digital electric meter Automatic range clamp meter (hook meter, Clamp Meter) Digital panel



功能框图