

HX711 Module



HX711 24bit ADC load sensor

This module uses 24 high precision A/D converter chip hx711. It is a specially designed for the high precision electronic scale design, with two analog input channel, the internal integration of 128 times the programmable gain amplifier. The input circuit can be configured to provide a bridge type pressure bridge (such as pressure, weighing sensor mode), is of high precision, low cost is an ideal sampling front-end module.

(check out HX711 datasheet)

Module Specifications

- *Two selectable differential input channels
- *On-chip active low noise PGA with selectable gain of 32, 64 and 128
- *On-chip power supply regulator for load-cell and ADC analog power supply
- *On-chip oscillator requiring no external component with optional external crystal
- *On-chip power-on-reset
- *Simple digital control and serial interface: pin-driven controls, no programming needed
- *Selectable 10SPS or 80SPS output data rate
- *Simultaneous 50 and 60Hz supply rejection
- *Current consumption including on-chip analog power supply regulator: normal operation
- *Operation supply voltage range: 2.6 ~ 5.5V
- *Operation temperature range: -40 ~ 85
- *Size 40mmx20mm
- *Communicates through serial

