**COMPONENT SPECIFICATIONS**

**Note:** The specifications shown in here are given by the manufacturers.

1. **Arduino Nano/Micro AND the Atmega328p-AU**

* Microcontroller: ATmega328
* Operating Voltage (logic level): 5V
* Input Voltage (recommended): 7-12V (5V if bypassing the onboard voltage regulator)
* Input Voltage (limits): 6-15V
* Digital I/O Pins: 14 (6 with pwm)
* Analog Inputs: 8
* DC Current per I/O Pin: 40ma (max of 200ma across all pins)
* Flash Memory: 32kb (2kb used by bootloader)
* SRAM: 2kb
* EEFROM: 1kb
* Clock Speed: 16mhz

1. **NRF24L01**

* - Worldwide license-free 2.4GHz ISM band operation
* - 250kbps, 1Mbps and 2Mbps on-air data-rate options
* - Enhanced ShockBurst?hardware protocol accelerator
* - Ultra low power consumption?months to years of battery lifetimeSpecifications
* - Power supply : 1.9~3.6V
* - IO port working voltage : 0~3.3v / 5v
* - Transmitting rate : +7dB
* - Receiving sensitivity : -90dB
* - Transmission range : 250m in open area
* - Dimension : 15x29mm

1. **OLED Display**

* 1. A simplified manufacturing process compared to TFT-LCD
* 2. Self-emitting light, in contrast to the required backlight for TFT-LCD
* 3. High luminosity
* 4. Lightweight and thin
* 5. Capable of wide viewing angles
* 6. Low operating voltage and power consumption
* 7. Quick response
* 8. Wide range of operating temperatures (-40c to 85c)
* Features:
* 100% Brand new and high quality.
* Item name: 0.95 inch SPI OLED Display
* Resolution:96\*64
* Color: 65536 Colors
* Driver IC:SSD1331
* Definition of SPI Connector:
* 1.GND-Gound
* 2.VCC-Positive Voltage
* 3.SCL-Clock Line
* 4.SDA-Data Line
* 5.RES-Reset
* 6.DC-Data/Demand
* 7.CS-Chip Select
* Package includes:1PC 0.95 inch SPI Full Color OLED Display