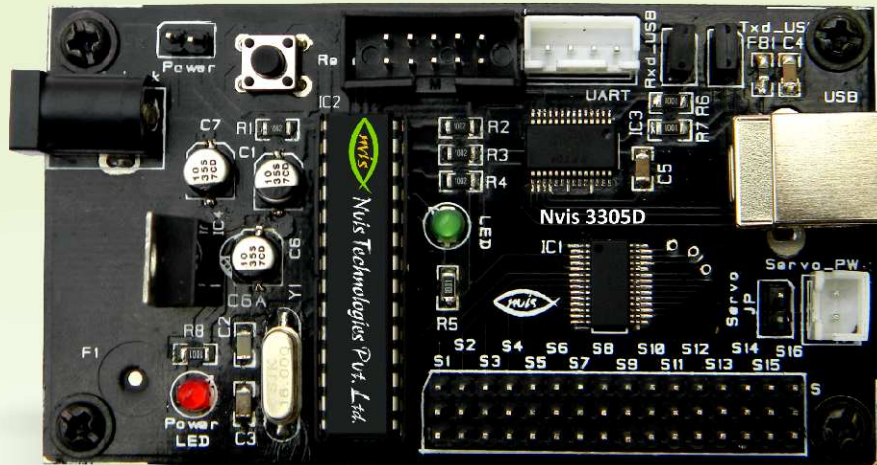# 16 Channel Servo Driver
Nvis 3305D

Nvis 3305D -16 Channel Servo Driver is a reliable, plug and play servo controller for hobbyists and students. It is designed to drive 16 servos at a time with ease to user. It is capable of generating 16 PWM outputs of 50Hz and duty cycle varies from .5ms to 2.5ms at a time in order to drive servo motors. The whole system is designed in such a way that user find no difficulty in communicating with the device. It uses a simple protocol based on serial communication to control each servo motor separately and is assembled with software to debug and control Servo motors using PC. One can easily connect his/her Robot to this device using standard servo connector and control its motion using controller or Computer.

Features

- **16 independent servo channels**
- **50Hz, 0.5ms to 2.2ms PWM output**
- **Group motion controlling**
- **Speed controlling for each servo**
- **Can be controlled with any microcontroller board supporting serial communication**
- **Demo mode: Running every servo motor simultaneously form 0 to 180**
- **Interfaced with PC using USB**
- **PC software available**

Scope of Learning

- Learn to drive Servo motors using PWM
- Build various Servo based Robots like Hexapod, Humanoid & many more
- Undertake projects that needs precise controlling of Servo motors

Technical Specifications

Channels	: 16
PWM	: 50Hz, 0.5 ms to 2.5 ms
Input Voltage Range	: 0 to 6V
Resolution	: 12Bit
Servo connector	: Standard Type
PC connector	: B-type USB
Serial com (Baud Rate)	: 9600bps
PC GUI Software	: Available
Dimension	: W 95 x D 50 x H 25

General Specifications

Length	: 9.2 cm
Width	: 5.1 cm
Weight	: 100gm
Power	: 5V DC/200mA

Included Accessories

5V DC adaptor	: 1
PC software & Learning material CD	: 1
Jumpers	: 5

Software for driving servo motor

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Subject to Change