



About Us

Founded in 2013, XYZprinting is dedicated to bringing cost-effective 3D printing to personnel and business around the world. With proven industry expertise and an innovative spirit, XYZrobot was founded in 2015, both are backed by world's leading electronic manufacturing conglomerate- Kinpo Group which earns more than \$30 billion revenues annually and has more than 8,500 engineers in research and development across four continents. Kinpo Group has more than 15 years of experience developing and manufacturing printers for both personal and commercial use.



Global Info

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Bolide Y-01



XYZduino M0



The BOLIDE Crawler



Smart Servo A1-16



Robotic Arms K-100



Bolide Y-01

IMAGINATION WITHOUT LIMITATION

The possibilities are endless.
Have fun with your first humanoid robot.
Using XYZrobot editor make it move as you want.
Printing out your very own unique robot pal.



RCU/APP control



AI Servo



18 DOF



Motion Editor



3D Printable

Features

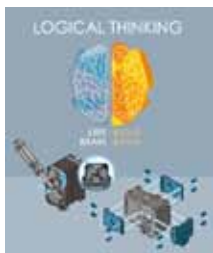
- 18 degrees of freedom.
- 3D printable parts to create your unique robot.
- Use Arduino 1.0.6 and the XYZrobot Editor to take full control of your Y-01 Bolide's movements and actions.
- Control your Bolide with a remote control and the XYZrobot APP for Android and Apple smartphone and tablet devices.
- Free downloadable motion scripts on XYZrobot's official website.



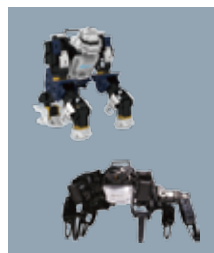
*3D print creative designs



*Use XYZrobot editor to program its motion



*Bolide assembly develops logical thinking



*Learn architecture through reconfiguration

Specification

Servo motor	XYZ A1-16 Motor × 18pcs Torque: 25kg-cm at 12V
Main controller	ATmega1280
Dimension	H 407 x W 141 x D 230 (mm)
Weight	2.35 kgw
Sensors	G-sensor, DMS
Remote Control	Bluetooth 4.0/Bluetooth 4.1 stack
Programming Key	4 Buttons
AC Adapter	12V,7.5A
Motion-editing Software	XYZrobot Editor 1.0
Speaker	2W
Chest LED Module Color	R, G, B
EYE LED Color	G, B

Advanced Humanoid Robot

3 packaging styles suitable for everyone interested in the robotics field

• Fully assembled

Easily programmable right out of the box.

• Semi-assembled

Can save you time on set up while allowing you to get acquainted with your robot.

• DIY kit

For those who enjoy the challenge of building a robot from scratch.



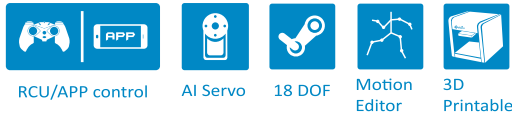
Battery: Purchasable and interchangeable.

Remote control: 2 joysticks and 6 buttons for more action.



The bolide crawler ACCESSORY

More to Bolide Y-01 Humanoid robot.
Customize the BOLIDE humanoid robot
into a six-legged crawler.

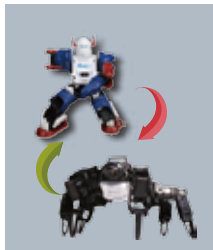


Features

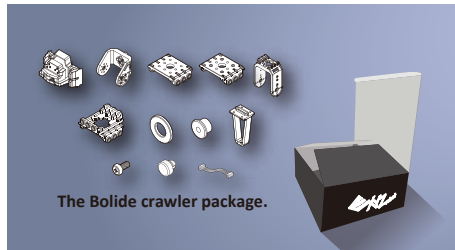
- The XYZrobot Bolide Advanced Humanoid Robot has 18 A1-16 Smart Servo motors allow it to have human-like movements.
- Control these movements with the remote control or the XYZrobot app for Android and Apple devices.
- Fully programmable with Arduino 1.0.6, create custom movement sequences with the XYZrobot Editor for Windows and Mac Os.
- Combine the Bolide with 3D printing by designing and printing exterior accessories. We have free downloadable models here .
- Reassemble the Bolide servo motors into different models, such as our the Bolide crawler, or make your own unique design.



*Use XYZrobot editor to program its motion



*Get the Bolide crawler package to have another robot.



*Multi-legs crawler's accessory package

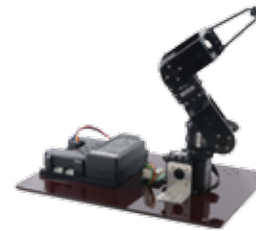


XYZrobot Robotic Arms K-100

An easy way to get into ROBOTIC WORLD.
Build preliminary robotics skills.
Learn about automation controls.
Develop critical-thinking and problem solving skills.
Learn about basic mechanical assembly.
Engage in Arduino programming.

Features

- Affordable price – Enter the world of robotics with these accessible models.
- High Torque - Works more efficiently and provides the gripper with an appropriate amount of power.
- Large range of motion - Base rotation of 330 degrees and extensive motion.
- Diverse choice - Three kinds of product items for the beginner to advanced learner who is interested in robotics.



3 DOF Basic

XYZ A1-16 Smart Servo x 3
Main controller : ATmega1280
W 180 x D 240 x L 270
521 g
Bluetooth 4.0/Bluetooth 4.1 stack
12V, 7.5A
XYZrobot Motion Editor 1.0



6 DOF Advanced

XYZ A1-16 Smart Servo x 6
Main controller : ATmega1280
W 180 x D 240 x L 365
755 g
Bluetooth 4.0/Bluetooth 4.1 stack
12V, 7.5A
XYZrobot Motion Editor 1.0



6 DOF+ Wheels Completed

XYZ A1-16 Smart Servo x 6
Main controller : ATmega1280
W 260 x D 260 x L 365
1009 g
Bluetooth 4.0/Bluetooth 4.1 stack
12V, 7.5A
XYZrobot Motion Editor 1.0

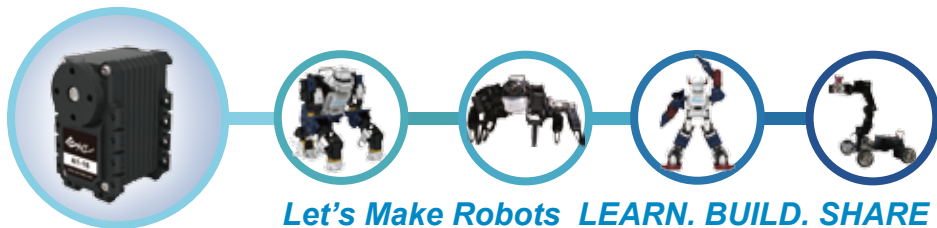


XYZrobot Smart Servo A1-16

No matter which drive solution you imagine, our servo motor can make your dreams come true.

Features

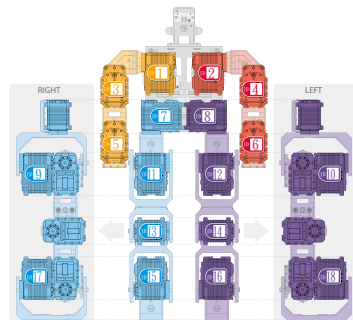
Servos A1 - 16 are modular actuators, which combine a gear reducer, a DC motor and an embedded control board in one small package. The servo motors provide the necessary torque to operate the robot. An added function of the motors is to provide information about internal temperature, supply voltage, current and display operational status through an LED.



Let's Make Robots LEARN. BUILD. SHARE

Specifications

Operating Voltage: 12V
Stall Torque: 25 Kg-cm (max.)
No Load Speed: 70 +/- 10 rpm
60 +/- 2 g
W 50 x D 32 x L 40 mm
Resolution : Resolution
Reduction Ratio: 254
Operating Angle: 0° ~ 330°
Operating Current: 500mA
Standby Current: 30mA max.
Operating Temperature: 0°C to 40°C
Protocol: TTL Level UART (8-N-1)
Feedback: Position, Temperature, Current, Supply Voltage



XYZduino Maker Board M0

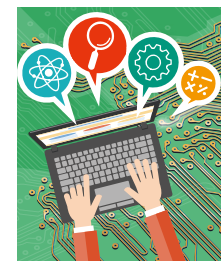
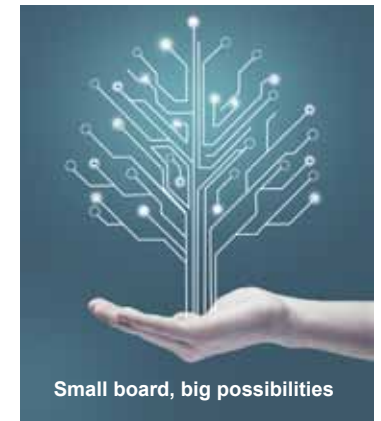
The XYZduino Maker Board is designed for makers and companies wanting to make their products easily accessible with Arduino technology.

Features

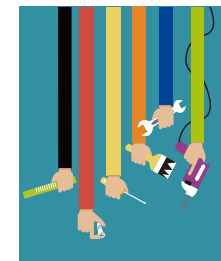
The Uniboard is powered by Atmel's SAMD21 MCU. It features a 32-bit ARM Cortex®M0+ core which gives upgraded flexibility and accessibility. This makes the Uniboard the ideal educational tool for learning about 32-bit application development. Moreover, it is both energy efficient and cost effective

Specifications

Microcontroller: ATSAM21G18, 32-Bit ARM Cortex M0+
Input Voltage: 7-12V
Operating Voltage: 3.3V
Digital I/O Pins: 20
PWM Pins: All but pins 2 and 7
UART: 2
Analog Input Pins: 6, 12-bit ADC channels
Analog Output Pins: 1, 10-bit DAC
External Interrupts: All pins except pin 4
DC Current per I/O Pin: 7 mA
Flash Memory: 256 KB
SRAM: 32 KB
Clock Speed: 48 MHz



*Programming on Arduino Open-Source Architecture



*Let's be a maker.

