PRODUCT NAME : Robosapiens IBOT Mini V2.0

PRICE : Rs 2,200.00
SKU : RM0108

DESCRIPTION

IBOT Mini V2.0 is a multipurpose robotics kit. It's multipurpose and very durable nature helps in acquiring expertise on basics of robotics.

Development Board is made from single sided PTH PCB board to provide extra strength to the connector joints for increased reliability. Board can work on **7V to 15V DC supply**. The control circuit or the development board is a versatile robotic development board that is being used to control this robot. By executing 16 MIPS this board can achieve throughput value of 16 MHz. The robot has been made visually interactive as there is **4 Bit LED'S** to monitor the outputs of the **I/O ports**. The control circuit is fabricated in a way so that a user can interface any kind of peripheral desirable as the control circuit supports Digital, Analog, SPI based Devices or IC / TWI based devices.
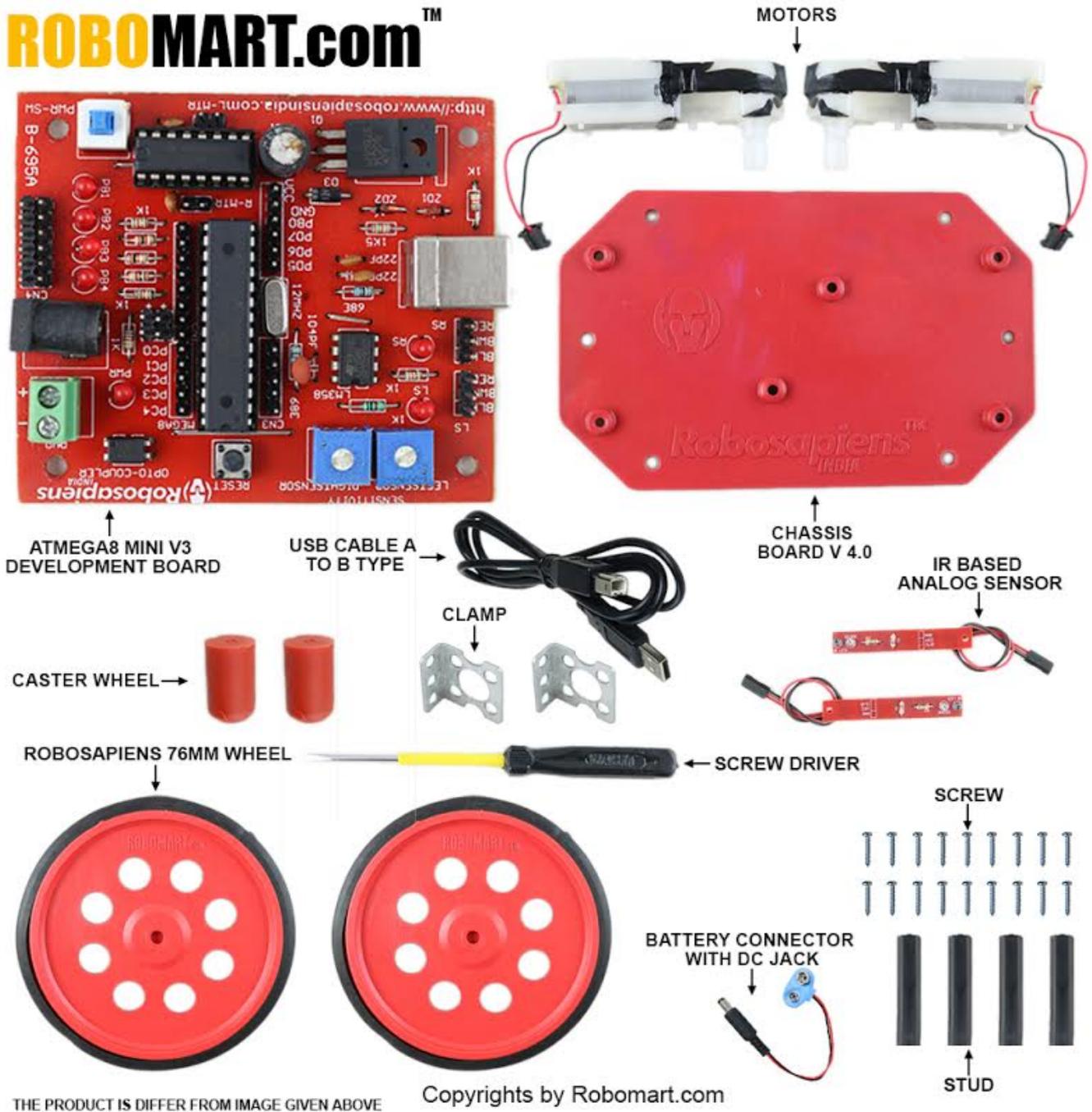
The robot is basically using one **Motor Driver Circuit** for its locomotion. The motor driver circuit used, intakes digital inputs to make motors running. Since, the input type for the motor driver circuit is digital one hence, locomotion can easily be done by simply providing digital input to the driver circuit. It has built-in reverse polarity protection. Open pads for connecting micro-controller's pins to external devices are also provided. The robot can be used to develop more than 30 projects using different advanced peripherals.

The robot comes with two **IR based Digital proximity Sensor** that is used as a **obstacle sensor**. The sensor that is being used is highly flexible and versatile. The sensors can be used as an edge sensor, line sensor ,color sensor (black / white) , light sensor etc. The robot is not limited to only digital sensors but also compatible with other **analog sensors and different converters.**

The robot is best suited for hobbists and Engineering / Diploma Projects.

Images of Robosapiens IBOT Mini V2.0

Kit Content of Robosapiens IBOT Mini V2.0

- **Robosapiens IBOT Mini V2.0**
- **1x (ATmega8 with inbuilt Robosapiens Bootloader)**
- **1x (Screw driver).**
- **1x (High Quality Plastic Chassis Board).**
- **2x (IR Based Analog Sensors).**
- **2x (Caster Bullet).**
- **4x (Support Studs).**
- **1 Pair wheel 70mm Diameter.**
- **1 Pair D.C gear motors (BO2-150RPM)**

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ADDITIONAL IMAGES