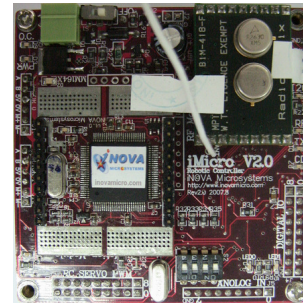


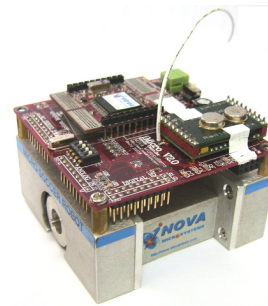
iNOVA-RBT-1002 iMicro Soccer Robot

Key Features

- **Two** DC motor speed/position control channels (Dedicated Motion Controller and DMOS H-Bridge Driver with Max DC Current of **5A** per channel)
- **Wireless communication port** (Bluetooth or RF Module)
- **One RS-232 port**
- **One I2C port**
- **Switching power supply** for best battery power efficiency
- **40Mhz** Microchip processor
- **64K** program memory, 4K data memory
- **Easy** programming and debugging using C and MPLAB IDE
- **Robot** size of 74mm X 74mm X 50mm
- Weighted at 400g



Top



Side View

Descriptions and Applications

iNOVA-RBT-1002 is a HIGH speed differential drive robot. Designed for applications like FIRA MIROSOT-Soccer Robot.

Technical Specification

Item	Specification	
Power Supply Voltage	7-24V	
Power Consumption	2W (Without Motor)	
Processor Speed	40MHz	
Program Memory	64KB	
Data Memory	4KB	
DC Motor	3V, Rated Torque: 20 g-cm, Speed: 2500 RPM, Encoder Resolution: 12 CPR x 2	
RC Servo Motor Channel	TTL, 25Hz (1.5ms Neutral) x 16	
Digital IO Port	TTL/CMOS X 16	
Analog Input Port	0V-5V x 8	
I2C Port	1	
UART	1	
Battery	Li-poly 7.4V 750mAH x 1	
Charger	Selectable 1-4cells, 500mAH x 1	
Dimension	74mmX74mmX50mm(LxWxH)	
Weight	400g	

Ordering Information

Our Part No.	Description	Price
iNOVA-RBT-1002	iMicro Soccer Robot	
Manufacturer: iNOVA Microsystems Pte Ltd #04-01, BLK 12 Lorong Bakar Batu Kolam Ayer Industrial Estate Singapore 348745 Tel: (65)67434072 Fax: (65)62344235 Email: sales@inovamicro.com		Authorized Sole Distributor: Worldwide: iNOVA Microsystems Pte Ltd