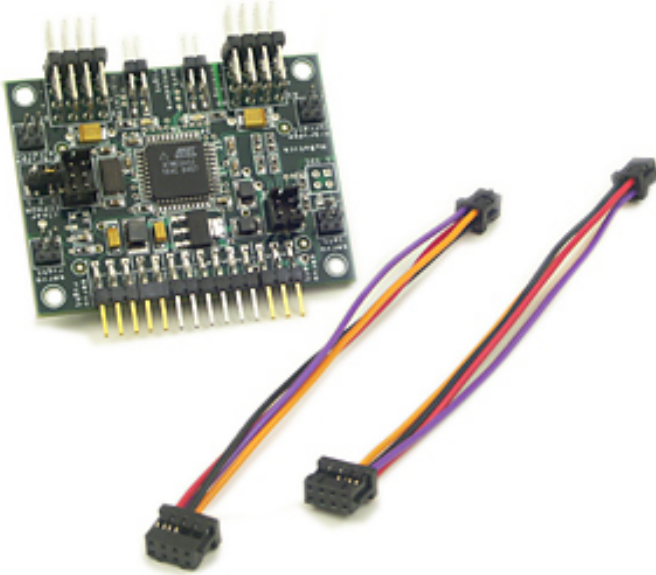


Nubotics Wheel Commander R279-WC-132 \$89.00

The NuBotics WheelCommander is a motion controller that incorporates closed loop functionality to differentially driven robots when combined with odometry encoders.



Motor control is derived from geometrical robot dimensions to create a highly abstracted motion control module. High level commands, such as "drive a set distance", can be issued to the WheelCommander. After the module receives commands and an execution instruction, a closed loop process handles the necessary motor controls based on odometry input to make your robot execute the desired actions.

- Control is based on real world units for velocity, rotation rate, position and angle
- Control is based around robot dimensions
- RS232 and I2C communication capable
- 4 General purpose 10-bit A2D
- 4 General purpose digital IO
- Field upgradable via RS232

Specifications

Value	Minimum	Maximum
Digital Vin	6.22 V	16.0 V
Servo Vin	-	6.0 V
Digital IO	0.2 * Vcc	Vcc
Digital Current Output	-	40 mA
A2D Resolution	0	1023
H-bridge PWM	2 kHz	64 kHz
Serial baudrate	1200	115200

Acroname Inc.
4822 Sterling Drive
Boulder, CO 80301
USA
voice: 720.564.0373
fax: 720.564.0376
sales@acroname.com

