

RP6V2-DSP

Category: Trainers with Courseware

WHERE TO BUY

RP6v2 DISPLAY

The RP6v2-DSP is a blue color backlight display for the RP6v2. Create menus for choosing different behaviors or changing program values. Show status messages (useful to see if the program behaves as expected while the robot is driving around). Display sensor status all the time without connection to your PC. Connect this display to the M32 or M256-WIFI modules, it is not designed to work directly on the robot (at least not without hardware hacking). 2x 16 characters industry standard HD44780 compatible display with blue backlight. Display with already soldered flat cable that mates with the display connectors on the RP6 expansion boards.



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[DISPLAY-HiRes-Image](#)

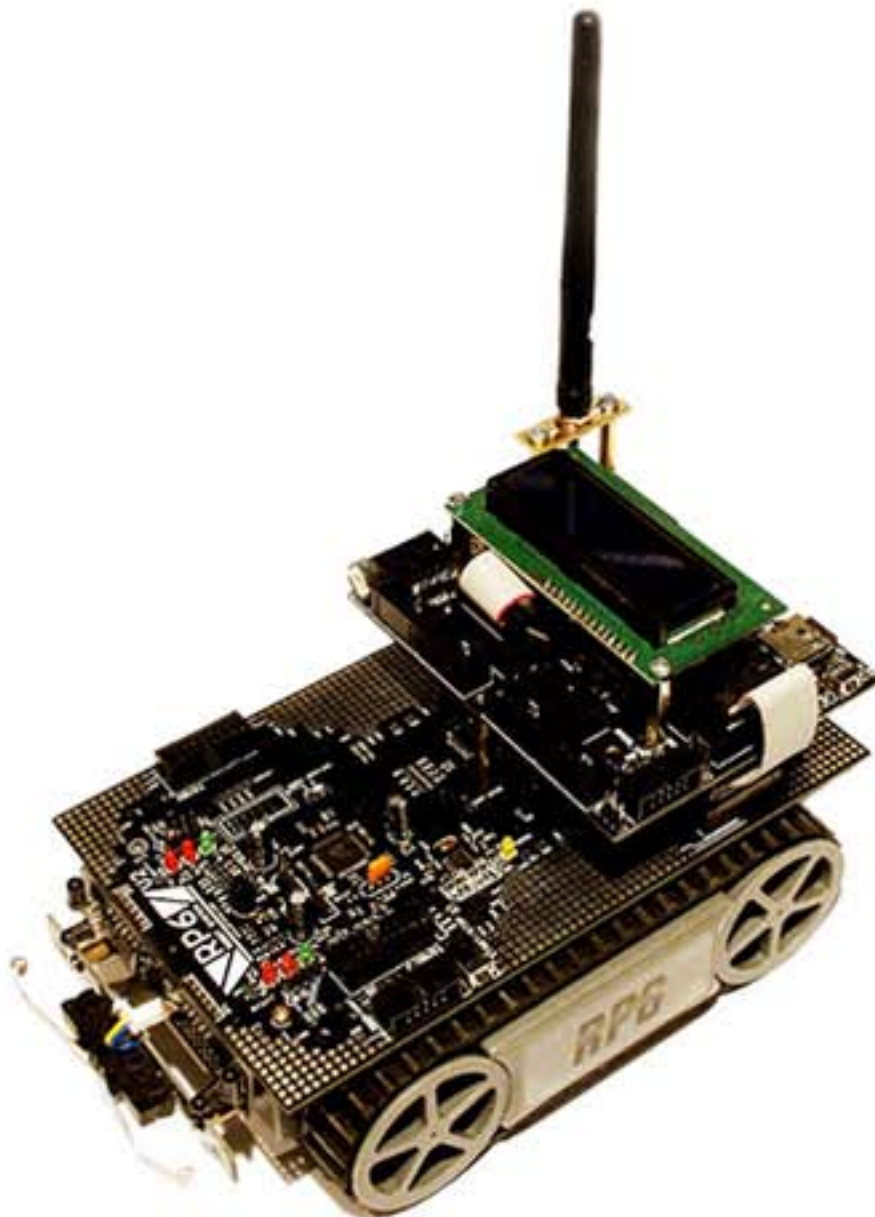
Listed Price: \$ 40.00

Additional Info

PRODUCT FEATURES

SPECIFICATIONS

The RP6v2 Robotic Vehicle with optional M256-WIFI module and DISPLAY module.



RP6V2-WIFI

Category: Trainers with Courseware

WHERE TO BUY

RP6v2-WIFI Module



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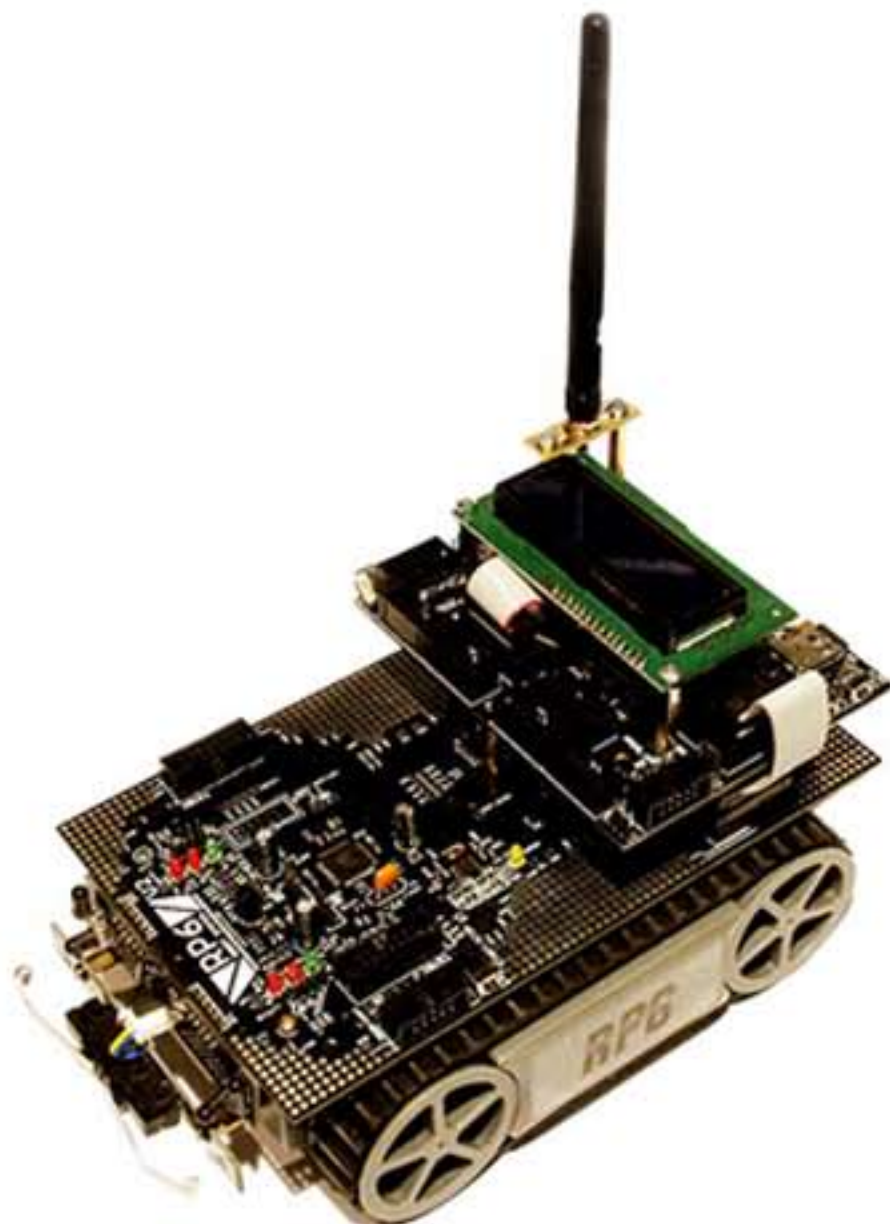
Listed Price: \$ 200.00

This very powerful expansion board can be used to add a wireless network (WLAN) connection to the RP6v2 Robot. It contains the largest ATMEGA AVR processor, microSD card storage expansion and 60 I/O ports with several special features. Compared to the controller on the RP6 mainboard, this one features twice as a high clock frequency and 8 times as much SRAM and Flash Memory. As a bonus, on the RP6v2-M256 you will have a lot more free processing time because the Motor Control, ACS, IRCOMM, etc. can be handled by the controller on the mainboard. What you can do with it: Transfer data wirelessly to and from the RP6v2 and a PCProgram the microcontroller via WLAN easily and comfortably Control the RP6v2 via wireless network from a PC Use it as a data logger with the microSD card Use it as a small webserver to check status and control the robot via a web browser Control dozens of sen [Read More...](#)

Additional Info

PRODUCT FEATURES

SPECIFICATIONS



RP6v2 with WIFI and Display.



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RP6V2-M32

Category: Trainers with Courseware

WHERE TO BUY

Download
[RP6v2-M32-Manual](#)

RP6v2 Expansion Set with ATMEGA32 Microcontroller

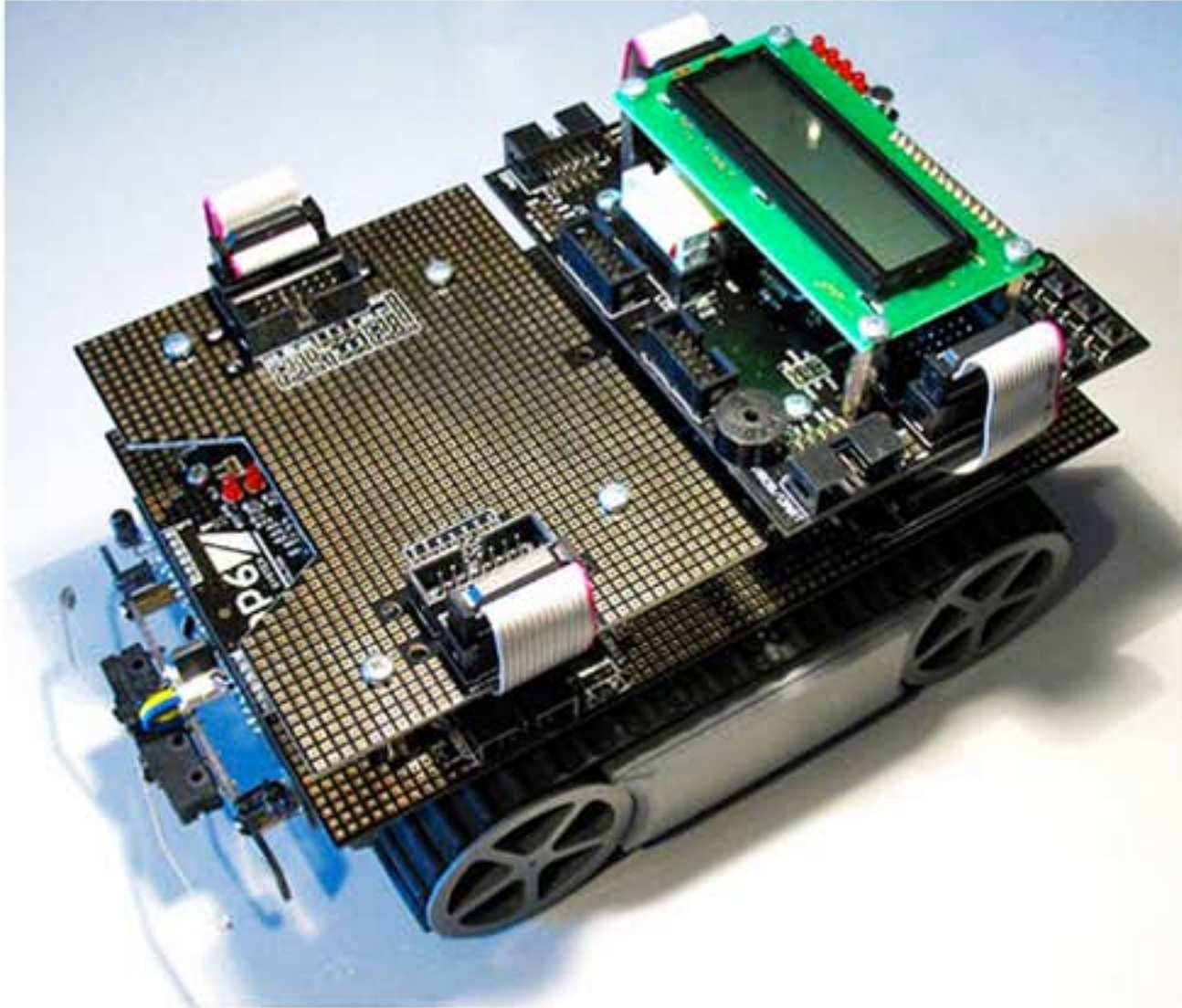
This is an expansion module for use with the RP6v2 robot. The module enables you to upgrade your robot with an additional ATmega32 microcontroller and gives you an expansion board for interfacing with your own electronic circuits. Compared to the controller on the mainboard, this one features twice as high clock frequency. As a bonus, on the RP6v2-M32 you will have a lot more free processing time because the Motor Control, ACS, IRCOMM, etc. can be handled by the controller on the mainboard. Build your own electronic circuits with 14 free I/O-ports available on two standard 10 pin connects. Six out of these 14 I/O lines may be used as Analog/Digital Converter channels. The external 32KB SPI EEPROM provides the module with a reliable (1 million cycles) read- and writable memory, which may be used for data-logging or as program storage for Bytecode Interpreters like the NanoVM for Jav [Read More...](#)

Additional Info

PRODUCT FEATURES

SPECIFICATIONS

RP6v2 with the EXP module plus M32 and display.



RP6V2-EXP

Category: [Trainers with Courseware](#)

WHERE TO BUY

RP6v2 Expansion PCB

The RP6v2-EXP Kit is for use with the RP6v2 Robotic Vehicle. With this PCB you can build your own electronic circuits. Power supply, I²C Bus, Interrupt and Master Reset signals are at your disposal. You can also use 14 completely free wires on the second 14-pin connector for your own signals.

RP6v2-EXP [Click on above image to view full picture](#)

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[EXP Hi Res Image](#)

Listed Price: \$ 22.50

Additional Info

PRODUCT FEATURES

SPECIFICATIONS

RP6v2 with the EXP module plus M32 and display.

