

AVR Solutions

AVR 8- , 32 - bit

ARM- based

Wireless

8051

AT91CAP

8- and 32-bit low power, high performance MCU



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What's Changed

ATAVRMC321 Motor Control bundle kit for ATtiny861

The ATAVRMC321 kit is a complete hardware system which demonstrates motor control using ATtiny861. It does include the ATAVRMC300 power stage board, the ATAVRMC301 processor board (that can be purchased separately) and a BLDC motor.



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Ordering Code: ATAVRMC321

Documents

AVR430: ATAVRMC300 Hardware User Guide(Application Note, 13 pages, revision C, updated 10/08)
The ATAVRMC300 is a general - purpose power stage board able to drive brushless DC, brushed DC and stepper motors. The board is designed to be a flexible platform for developing motor control applications.

AVR469: ATAVRMC301 Hardware User Guide(Application Note, 21 pages, revision A, updated 4/09)
The ATAVRMC301 is the device board for ATtiny861 AVR microcontroller which can be connected to the general - purpose power stage board ATAVRMC300 for driving brushless DC, brushed DC and stepper motors.



AVR496: Brushless DC Motor Control using ATtiny861(Application Note, 13 pages, revision A, updated 7/09)
This application note describes how to implement a brushless DC motor control in sensor mode using the ATtiny861 AVR microcontroller.



AVR498: Sensorless control of BLDC Motors using ATtiny861(Application Note, 20 pages, revision A, updated 7/09)
This application note describes how to implement a brushless DC motor control in sensorless mode using the ATtiny861 AVR microcontroller.

AVR601: Atmel Modular Evaluation Kits for Motor Control Applications(Application Note, 9 pages, revision A, updated 10/08)
This document describes the association between the ATAVRMC300, ATAVRMC301, ATAVRMC303, and ATAVRMC310 processor boards.

AVR928: Scalar sensorless methods to drive BLDC motors(Application Note, 24 pages, revision A, updated 5/10)
This application note describes how to implement a sensorless commutation on BLDC motors and provides all information that is relevant for an implementation of sensorless commutation using the Atmel devices and Starter - kits.

Related Applications

Automotive

? [Motor Control Systems](#)

Home Appliances

- ? [Washing](#)
- ? [Cooking](#)
- ? [Refrigeration](#)
- ? [Motor Control](#)

Related Devices

[ATtiny861](#) [ATtiny861A](#)

Related Tools

Design Software [Motor Control Center](#)

Evaluation Kit [ATAVRMC300 Power Stage Controller Board](#) , [ATAVRMC301 Motor Control Board for ATtiny861](#)