

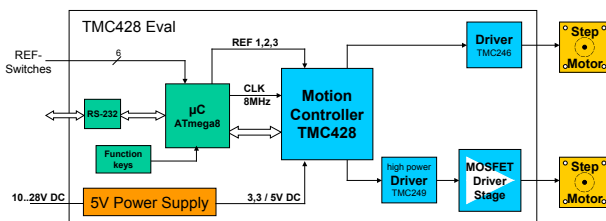
# TMC428A-EVAL

Evaluation Board with TMC428, TMC246A & TMC249A and stallGuard™

**INFO** The TMC428A evaluation board allows you to explore all functions of the TMC428 and to develop your TMC428 applications. It is equipped with the TMC246A and TMC249A motor drivers for high performance motor control. You will learn everything about the usage and features of the chipset and get the possibility to explore your motion control application and to optimize its parameters. The evaluation board comes with a PC software which gives you access to every bit of the TMC428. The TMC428A-Eval is a complete „plug and play“ solution, additionally only a PC, a motor and a power supply are required!

### MAIN CHARACTERISTICS

- ELECTRICAL DATA**
  - motor coil current 1A RMS (TMC246) and 1A / 2A RMS (TMC249)
  - power supply 12V to 30V DC
- INTERFACE**
  - RS232 interface to PC
  - user CPU board and / or user driver board can be attached via SPI
- FEATURES**
  - PC control or stand alone operation
  - all parameters can be displayed on the PC and modified interactively
  - test specific motion profiles
  - microstep curve can be optimized to match your motor parameters
  - allows to use integrated or external reference switches
  - driver ICs: Trinamic TMC246 and TMC249
  - allows to evaluate stallGuard™
  - allows to evaluate all driver specific settings
- OTHER**
  - RoHS compliant



ORDER CODE	DESCRIPTION
TMC428A-EVAL	Evaluation board for TMC428, TMC246A and TMC249A with stallGuard™
TMCM-MOTOR	Testmotor with 42 mm flange and about 1A maximum coil current