

# BB-160

Baseboard for  
TMC-160

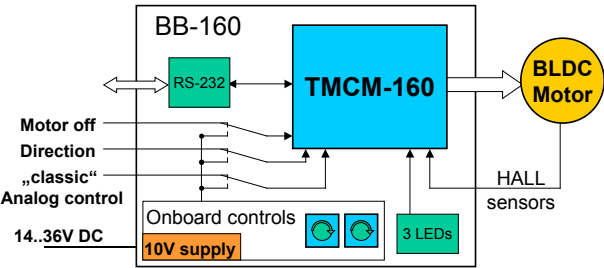
**INFO** The baseboard BB-160 allows to build a ready to use BLDC motor driver unit using the TCM-160 driver module. It integrates velocity and torque (via current) control as well as a hall sensor based positioning mode. The position resolution depends on the motor, i.e. a standard 8 pole motor gives a motor axis resolution of 15 degrees. The module can be used in stand alone operation (analog control) or it can be remotely controlled via RS-232 (or RS-485).

All important signals and the power supply lines can be connected easily. For motor, power supply and hall sensors screw terminals are available and for RS232 (or RS485) a 9-pin D-SUB connector. Some signals like the analog inputs are adjustable either onboard or they can be remote controlled.

- MAIN CHARACTERISTICS
- ELECTRICAL DATA

FEATURES
- 14V to 40V supply voltage
  - fast prototyping of motion control applications with BLDC motors (e.g. lab use)
  - ad-hoc evaluation of the TCM-160 module without the need for developing a custom PCB
  - BB-160 + TCM-160 suitable even for series production
  - RS-232 or RS-485 Interface
- HIGHLIGHTS

OTHER
- screw connectors for motors and hall sensors for fast prototyping
  - access to all control inputs of the TCM-160
  - screw holes for reliable mounting beyond prototyping
  - setting of motor voltage and current by two potentiometers
  - RoHS compliant
  - size: 120 x 85 mm²



ORDER CODE	DESCRIPTION
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