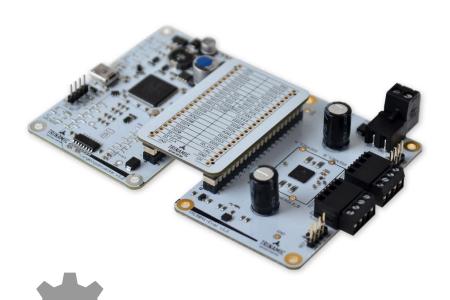




TRINAMIC Modular Chip Evaluation Platform

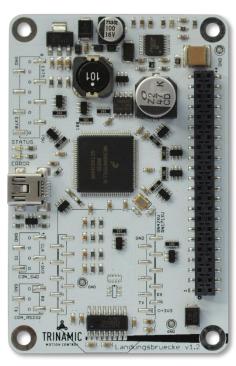




#### Modular IC Evaluation

- Flexible
- Easy to Use
- Open Source Hardware
- Proven Reference Designs



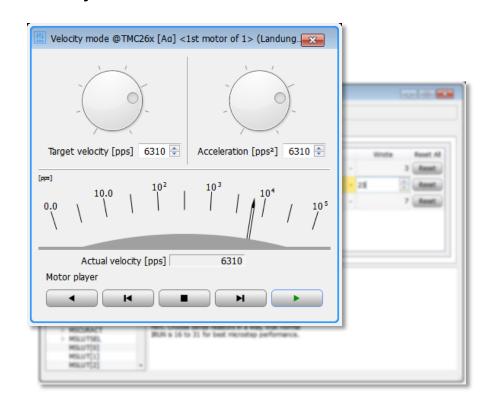


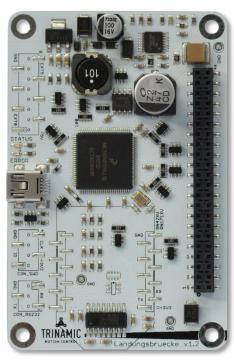
- MCU Board with Freescale Kinetis M4
- Connects to TMCL IDE easy Evaluation Tools
- open source Firmware and reference Code





#### **Easy Start Tools**

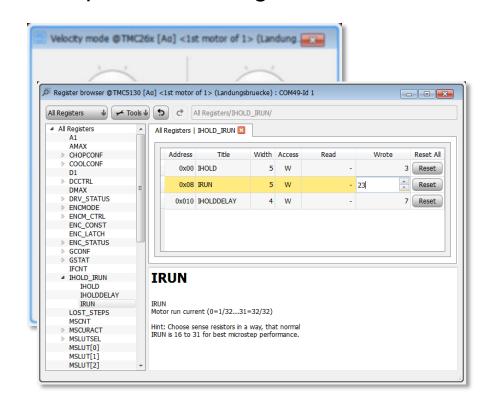


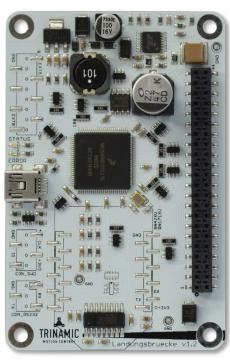






#### Deep Dive into Registers

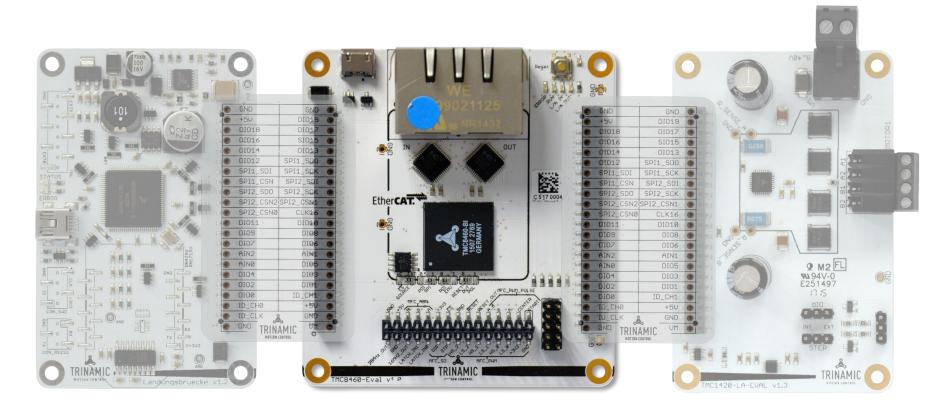






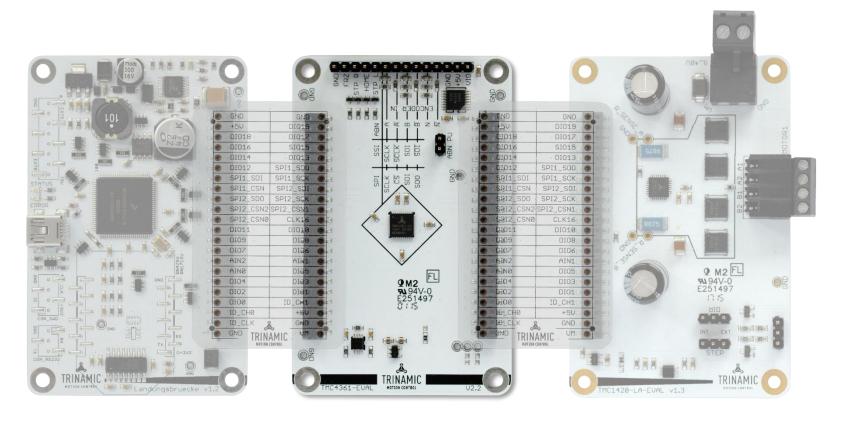
#### **BUS INTERFACES**





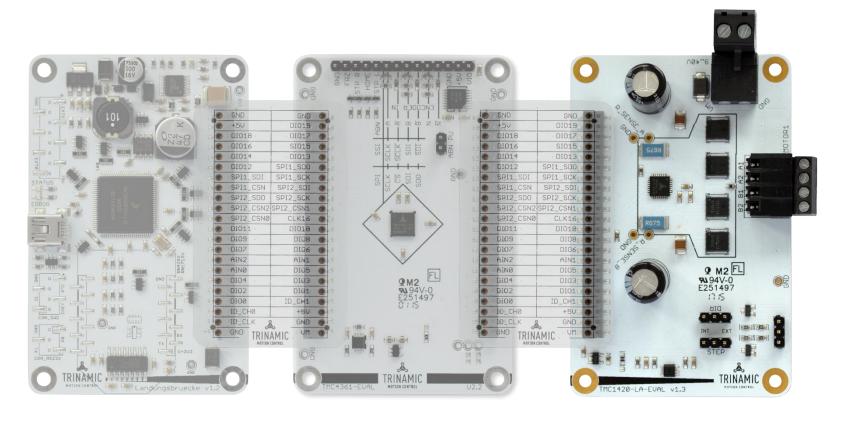
#### MOTION CONTROLLER





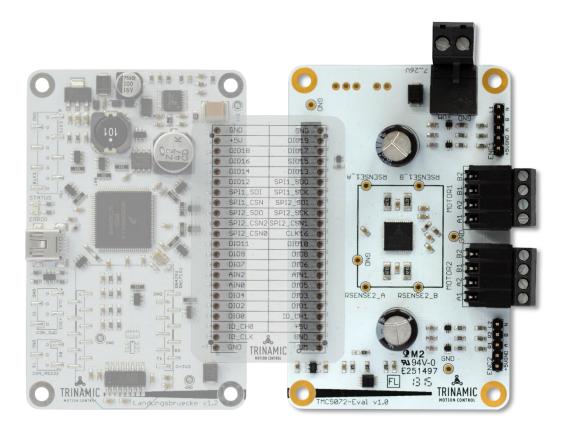
#### STEPPER MOTOR DRIVERS













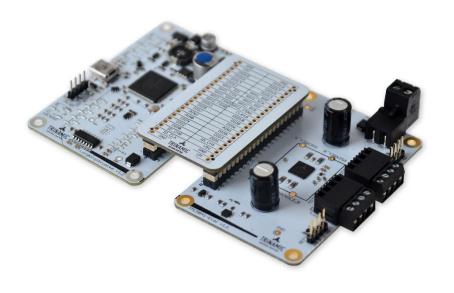


## NOW AVAILABLE!

Kits and Single Boards

#### **EVAL-KITS**



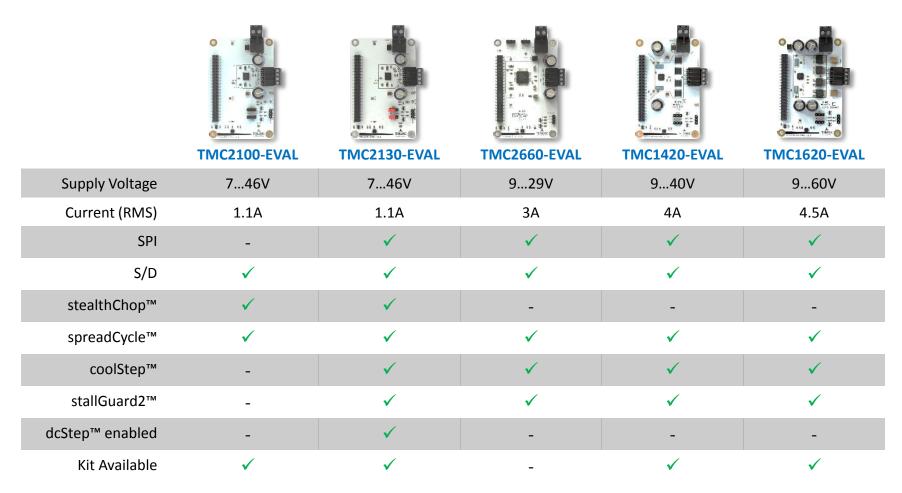


Kits come with everythin necessary to start evaluation from the box:

- MCU Board
- Eselsbrücke Interposer
  Board
- Motor Driver Boad
- USB Cable

#### STEPPER DRIVER





#### STEPPER cDRIVER











TMC5041-EVAL	
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TMC5062-EVAL

TMC5072-EVAL

TMC5130-EVAL

Supply Voltage	726V	718V	726V	746V
Current (RMS)	1.1A	1.1A	1.1A	1.4A
SPI	✓	✓	✓	✓
S/D	✓	✓	✓	$\checkmark$
stealthChop™	✓	-	✓	✓
spreadCycle™	✓	✓	✓	✓
coolStep™	✓	✓	✓	✓
stallGuard2™	✓	✓	✓	✓
dcStep™ enabled	✓	✓	✓	✓
Kit Available	✓	✓	✓	✓







#### TMC4361-EVAL

Number of Axes 1	
SPI ✓	
S/D ✓	
Encoder Interface a/b/n quadra	ture
Closed Loop Position Control	
Closed Loop Current Control	
sixPoint™ Ramps ✓	
Advanced S-Shape Ramps ✓	
Supported Drivers TMC26x, TMC21x0	, TMC24x
Kit Available -	

#### **BUS INTERFACES**





#### **TMC8460**

EtherCAT	Bus Interface
$\checkmark$	SPI
✓	S/D
3 Channels	PWM
a/b/n quadrature	Encoder Interface
(USB Supply)	Standalone Mode
✓	Kit Available