



## STW Introduces a New Motor Bridge CAN I/O Module Ahead of ConExpo CON/AGG 2014



*STW Technic today introduced the ESX-MBC in the US market ahead of ConExpo 2014. It is a CAN J1939 slave module for control of electric motors and other actuators in the power range of up to 200 W.*

**NORCROSS, Ga. - Feb. 25, 2014 - [PRLog](#)** -- STW Technic, a premier manufacturer of mobile controllers and measurement technology, today introduced the ESX-MBC in the US market ahead of ConExpo 2014. It is a CAN J1939 slave module for control of electric motors and other actuators in the power range up to 200 W.

The ESX MBC is suitable for voltage ranges of 9 V to 32 V and delivers a maximum current of 30 A. It comes in a plastic housing with ingress protection rating IP67. The housing is 174 mm x 117 mm x 36 mm. A 42-pin connector from Tyco is used. The module offers four PWM half bridges (each 10 A) with current measurement, and two further digital outputs, each capable of delivering a continuous 4 A. Separate safety relays each supply one digital output and two half bridges. Four multi-function inputs are provided, and all analogue signals have a 12 bit resolution. Additional Information on the ESX MBC can be found on the STW Website at <http://www.stw-technic.com/new-products/esx-mbc-can-j1939/>

In summary, the following I/Os are available: 4 multi-function inputs (per software configurable), one CAN interface, one module identification input (resistance input), 4 PWM-half bridges (10 A), PWM frequency up to 20 kHz, two digital outputs (4 A), one digital output (200 mA) and one stabilized voltage output for sensor supply (5 V to 12 V). With its power capacity and range of inputs it offers a solution for decentralized control of electric actuators in mobile machinery, particularly in the agricultural, construction and materials handling industries.

STW will be at the upcoming ConExpo - CON/AGG at booth 82812 demonstrating its solutions for the construction industry. For additional information on STW's solutions for the construction industry visit: <http://www.stw-technic.com/industries/construction/>

STW ([www.stw-technic.com](http://www.stw-technic.com)) is an award-winning provider of a full spectrum of freely programmable controllers, I/O modules, pressure sensors and telematics to a wide range of industries such as mining, construction, agriculture and oil and gas. STW controllers, I/O modules and Telematics units have attained a leading role in these industries due to their rigorous testing, high quality German engineering and unmatched flexibility. All of STW's products are mobile off-highway rated. STW ([www.stw-technic.com](http://www.stw-technic.com)) is also in the forefront of developing and prototyping hybrid drive technologies – generators and motors – for mobile applications.

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