

CANopen products made in China

Smart Control (China) presented on the CiA joint booth at Bauma 2019 its CANopen products. The portfolio comprises host controllers, I/O modules, HMIs, sensors, gateways.

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Several of the CANopen products such as the shown Ecore host controller also support J1939 (Photo: Smart Control)

Smart Control is a major supplier for Sany. The company located in Shanghai was founded in 2005 and is ISO 9001 certified. They provide the Ecore CANopen host controller as well as the IP67-rated eMod I/O device. The Ecore controller is designed to meet SIL2 safety requirements. The HMI (human machine interface) series comes with 4,2-inch screens up to 10,4-inch touch displays. Some of them provide besides CAN interfaces also an Ethernet port. There is also a CAN-connectable instrument cluster available.

Additionally, the Chinese manufacturer supplies special-purpose devices such as the Epower energy management controller, customizable keypads, GPS modules. All are equipped with CAN interfaces. The provided dual-axis tilt sensor comes in an IP67-rated housing and features CANopen connectivity. The draw-wire sensors for linear length measuring and the rotary encoders provide CAN interfaces, too. The displacement sensor with a 0,1mm resolution supports CANopen, J1939, and Isobus (ISO 11783 series). It can measure stroke length of up to 3 m.

The mentioned products are used in truck-mounted cranes, excavators, rotary drilling rigs, and loaders. Other applications include refuse-collecting vehicles and fire-fighting trucks. The products also can be used in forklifts and for containing handling equipment.

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