

## TECHNOSOFT - IGVD71

Motion controller drive – 8000 W

P025.027.E201  
 iGVD71BX-CAN Intelligent Drive, 80 V, 100 A, CAN,  
 STO



- Power up to 8000W, continuous/peak current 100/140A, supply voltage 11-80VDC
- Built-in motion controller, 2 STO inputs compatible with SIL3/Cat3/PLe
- For brushed DC, BLDC and stepper motors
- Communication via RS-232 (TMLCAN) and CANopen (default) or Ethernet (optional)
- Enclosed design

### PRODUCT DESCRIPTION

The IGVD71 is a compact, high-performance controller that is optimally adapted to the requirements of battery-powered unmanned transport systems (AGVs), autonomous mobile robots and logistics systems. With the powerful, built-in MotionChip controller and the highly flexible TML programming language, coordinated and synchronized motor/powertrain movements, anti-slip control algorithms or active torque distribution between the axes (torque deviation) can be implemented. IGVD71 is the best solution for battery-powered mobile applications.

### TECHNICAL DATA

<b>Analogue Inputs</b>	1
<b>Communication</b>	CANopen, RS232, TMLCAN
<b>Compatible motor technology</b>	PMSM motor, Voice coil actuator, Brushless DC motor, Stepper motor, Linear motor, DC
<b>Control type</b>	Electronic cam, Electronic gearing, Position, Speed, Torque
<b>Digital inputs</b>	5
<b>Digital outputs</b>	5
<b>Nominal current</b>	100 A
<b>Peak current</b>	140 A
<b>Positioning feedback</b>	SSI, EnDaT 2.2, 1 Vpp Sin/Cos, Incremental, Digital hall sensors, Sensorless, Tachogenerator
<b>Power</b>	8000 W
<b>Supplier</b>	Technosoft
<b>Supply voltage</b>	12 V DC, 24 V DC, 36 V DC, 48 V DC, 56 V DC, 72 V DC
<b>Weight</b>	300 g