FOR IMMEDIATE RELEASE

iPOS4808 BX-CAT : A very compact, cost-effective intelligent drive with EtherCAT interface from Technosoft

The iPOS4808 BX-CAT is the latest member of the iPOS family of Technosoft intelligent drives.

Designed to cover medium-to-high volume applications, the iPOS family of drives can be delivered either as open-frame, plug-in modules with vertical (VX models) or horizontal (MX models) mounting on the user’s main board, or as a closed-frame boxes equipped with retractable connectors (BX models). The iPOS4808 BX-CAT is the first BX drive with an EtherCAT interface.

Having a high current (8 A continuous, 20 A peak) capability, the iPOS4808 BX-CAT drive offers a very compact, cost-effective universal solution for the control of rotary or linear brushless, DC brush, and step motors of powers up to 400 W and voltages up to 50 V.

Based on the MotionChip™ technology, iPOS4808 BX-CAT can operate either as a standard EtherCAT drive that accepts the CAN application protocol over EtherCAT (CoE), or as an intelligent drive that can be programmed to execute complex motion profiles directly at drive level using its built-in motion controller and the high level Technosoft Motion Language (TML).

Equipped with 2 feedback connectors, the iPOS4808 BX-CAT drive can be used in dual-loop control applications where motor and load sensors can be single-ended, differential or sine/cosine encoders. Digital and linear Halls are also accepted as motor sensors.

The iPOS4808 BX-CAT drives can work with EtherCAT communication cycles down to 200 μs for all working configurations: open loop micro-stepping or closed loop control of 2 or 3-phase steppers, DC brushed motor control, sinusoidal (FOC) or trapezoidal (Hall based) control of brushless motors.

The configuration, tuning and local programming of the iPOS4808 BX-CAT drive can easily be done using Technosoft’s powerful graphical platform EasyMotion Studio.

Located in Neuchâtel, Switzerland, Technosoft is a leading DSP Motion Control technology company, specialized in the design and manufacture of motion control products and custom motion systems.

Product specifications can be found at:


TECHNOSOFT
Avenue des Alpes 20
CH-2000 NEUCHATEL
Switzerland
Tel.: +41 (0)32 732 55 00
Fax: +41 (0)32 732 55 04
www.technosoftmotion.com
sales@technosoftmotion.com