iPOS3602 MX
A μ-sized Intelligent Drive Solution for Faster Assembly and Installation

The iPOS line of highly flexible Technosoft intelligent drives has been expanded with a new, micro-sized pluggable servo drive: iPOS3602 MX. Particularly developed for motion control applications where space is critical, this drive can be integrated—within seconds—to the user’s motherboard or PCB machine. All basic motor control functions, as well as motion control and PLC features, are embedded onto this remarkably small drive (55 x 26 x 13 mm, 10 g).

Equipped with CAN / CANopen and optionally with EtherCAT interfaces, iPOS3602 MX provides a flexible, compact solution adapted to the decentralized control of any rotary or linear brushless, DC brush or step motor up to 75 W (36 V, 2 A).

The drive's setup, tuning and motion programming is fast with EasyMotion Studio and Technosoft Motion Language (TML). Thanks to its embedded intelligence, iPOS3602 MX is able to run complex motion commands directly at drive level. Using the TML language, multiple operations can be executed with iPOS3602 MX: setting of various motion modes (profiles, PVT, PT, electronic gearing or camming, etc.), change of motion modes and/or parameters, execution of homing sequences or program flow control. At the same time, iPOS3602 MX can handle digital I/O and analog input signals, execution of arithmetic and logic operations, and transfer of data between axes. The iPOS drive accepts incremental (quadrature or sine / cosine) encoders and digital or linear Halls signals as position feedback. SSI, BiSS, EnDat absolute encoders and resolver interfaces are available through an additional extension.

iPOS3602 MX can be set to operate in various communication modes: CANopen, EtherCAT and TMLCAN. When CANopen or EtherCAT mode is selected, the drive may be controlled via the appropriate masters. As a bonus, iPOS offers to the master the option to call complex motion sequences pre-stored in the drive's memory. When TMLCAN mode is used, iPOS3602 MX operates in standalone mode, and may play the role of a master. If higher level coordination is needed, then iPOS3602 MX can be controlled through a PC or a PLC using one of the available TML_LIB motion libraries.

Specifications can be found at:
http://www.technosoftmotion.com/products/OEM_PROD_iPOS3602_3604.htm

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