iPOS3604 VX: When Intelligence Matters!
Complete Drive Solution Packed on Only 21 x 54 mm of PCB Space

Technosoft is proud to announce a new addition to the iPOS family of intelligent servo drives — the iPOS3604 VX. Based on an innovative design concept, this drive offers high power density (up to 360 W of peak power) on a very compact board (only 21 x 54 mm of PCB space). Specifically developed to be PCB embedded, iPOS3604 VX can be mounted vertically or horizontally on a motherboard. The plug-in card format of the iPOS3604 (just 56 x 29 x 7 mm) makes it ideal for assembly in critical-space applications. Several drives can be hosted on a single motherboard. The use of slot connectors will help machine builders to save time and reduce cabling costs.

A complete motion control solution, iPOS3604 VX combines controller, drive and PLC functionality into a single compact unit. The drive is able to control brushless DC, brushless AC (vector control), DC brushed and step motors of up to 144 W (36 V, 4 A) continuous power. Equipped with a CAN interface, iPOS3604 has the flexibility to operate in CANopen and TMLCAN protocols. The EtherCAT interface is available using an additional EtherCAT module. Typical feedback devices include incremental encoders, digital and linear Hall signals. SSI, BiSS, EnDAT encoders and resolver interfaces are available through additional extensions.

iPOS3604 VX performs position, speed or torque control and works in single, multi-axis or stand-alone configurations. Complex motion profiles (PVT, S-curves, electronic camming and gearing) can be executed directly on the drive using its built-in motion controller and the high-level Technosoft Motion Language (TML) instruction set. The drive commissioning and the motion programming are straightforward with Technosoft’s integrated development environment – EasyMotion Studio – that lets you take advantage of the iPOS3604 VX embedded intelligence. The software provides a simple, graphical way of creating motion programs written in TML. It automatically generates all the TML instructions, so you don’t need to learn or write any TML code. You will be able to split the functionality of the machine between the host and the iPOS drive, by embedding complex motion sequences in TML functions and then executing them from the host with simple commands. iPOS3604 VX is able to automatically report when the execution of these functions is completed.

With the iPOS3604 VX intelligent drive programming is simplified, by enabling the host to focus only on the global functionality of the machine, the interaction between machine and user, the management of the application and so on. The drive is perfectly suited for all industrial applications that need high-precision control and limited space integration.

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

TECHNOSOFT
Buchaux 38
CH-2022 BEVAIX
Switzerland
Tel.: +41 (0)32 732 55 00
Fax: +41 (0)32 732 55 04
www.technosoftmotion.com
sales@technosoftmotion.com