

MotionChip™ II Starter Kit

DIGITAL MOTOR CONTROL FOR BRUSHLESS DC, BRUSHLESS AC AND DC BRUSH MOTORS

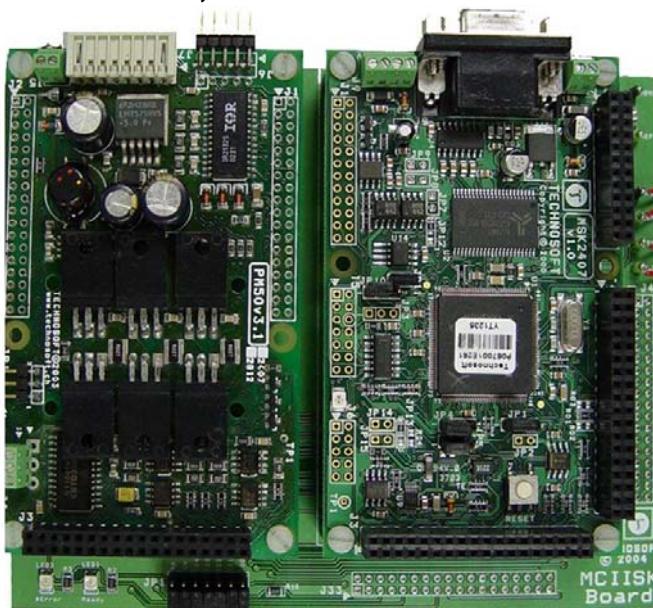
Technosoft with embedded intelligence based on the latest DSP controller technology. These high-performance intelligent servo drives, combine motion controller, drive and PLC functionality in a single compact unit. The drives are programmable with the high level Technosoft motion language (TML), used for the definition and the execution of speed or position commands from a master or of pre-stored motion sequences triggered by I/O signals. Distributed motion control functionality is ensured by the embedded CAN controller or by the RS-232 interface. Compatible with Technosoft IPM Motion Studio for quick configuration, tuning and motion programming, the IDM drives offer a flexible and easy to implement solution for a wide range of brushless motors applications.

GO FOR REAL INTELLIGENT MOTION
"MOTION CONTROL AT THE
CLICK OF A MOUSE"

Technosoft IPM Motion Studio. The first step, consists of the system configuration by the selection and definition of system structure, motor type, feedback types and control mode. Test procedures help you to test and verify the hardware structure.

As the second step, the IPM Motion Studio supports the parameterisation and the tuning of the digital control loops of the selected motor control scheme.

Data logging and scope facilities will capture variables during test movements for analysis and finetuning.



Feature :

- High-performance ready to run DSP Motion Controller, 40MHz, 40MIPS
- Single-Chip solution for control of
 - DC Brush Motors
 - DC Brushless Motors
 - AC Brushless Motors (PMSM)
- Operation Modes
 - Stand-alone – executes motion
 - sequences from a local memory
 - Slave – multi-axis cases
- Flexible structure allowing:
 - Position control
 - Speed control
 - Torque control (field-oriented for AC motors)
 - Open-loop (V/f for AC motors)
- Feedback signals
 - 1- 3 Currents
 - Hall sensors
 - Position read from incremental encoder
 - Speed estimated from position
 - Two temperature sensors
 - DC-bus voltage (VDC)
- High-level programming using the Technosoft Motion Language (TML)
- 23 motion modes, decision blocks, functions, arithmetic & logic unit
- 18 programmable events were motion parameters and/or modes can be changed on-the-fly
- 12 programmable TML interrupts
- Integrated protections: over current, over voltage, under voltage, over temperature, I_{2t},

Your
Next
Intelligent
Move



TECHNO SOFT
MOTION TECHNOLOGY



智控科技股份有限公司
Intelligent Control Technology Co., Ltd