

Stand Alone CANopen® CiA® DSP 402 Servo Motor Controller (QCI-D2-IGK)

QuickSilver Controls, Inc. introduces a low cost CiA DSP 402 CANopen servo motor controller. The SilverDust IGK is a stand alone, single axis controller that includes serial communications (RS-232, RS-485), CANopen and 7 I/O. CANopen can be configured for peer-to-peer, master or slave which allows the controllers to share I/O with other CANopen controllers and 3rd party CANopen devices (i.e. I/O blocks, encoders,...).

CiA DSP 402 refers to CAN in Automation (CiA) Draft Standard Proposal (DSP) 402 CANopen Drives and Motion Control Device Profile. This profile defines such functions as start-up and homing techniques as well as motion profiles. A host controller, for example a PLC, supporting CiA DSP 402 could command multiple CiA DSP 402 motor controllers from multiple vendors. CiA DSP 402 runs on top of CANopen (CiA DSP 302 v4.0).

The RS-232/RS-485 serial network runs in parallel to CANopen for supervisory control from a host (i.e. PC, PLC, HMI..).

The IGK is designed to servo QuickSilver's NEMA 17 and NEMA 23 frame I-Grade servo motors. 7 bi-directional I/O can be broken out using one of our QCI's basic breakouts (QCI-BO-B, QCI-BO-B1, QCI-BO-B1A) or, if 24V I/O is needed, using the QCI-BO-B52.

- 12-48V DC Input Power
- Built-In Voltage Clamp
- 7 TTL, Bi-Directional I/O
For 24V use QCI-BO-B52
- 4 Analog Inputs
- 32K Non-Volatile Memory
- R2-232/485 ASCII, Binary, Modbus
- CANopen, CiA DSP 302/402
- 100:1 Inertial Miss-Match
- PVIA™ Servo Loop
- Point To Point Moves
- Profile Moves
- Electronic Gearing/Camming
- Multiple Thread Programming

For more details, see the datasheet QCI-DS023 on www.QuickSilverControls.com. CANopen® and CiA® are registered community trade marks of CAN in Automation e.V.



QCI-D2-IGK