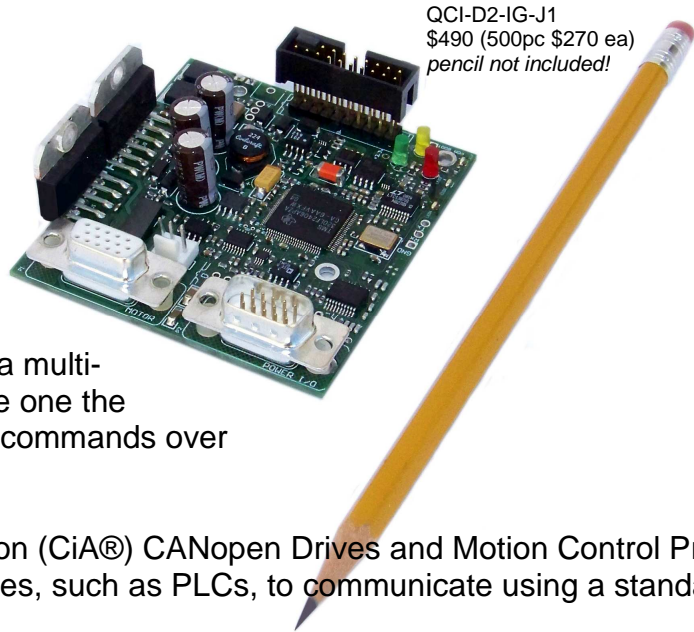


## OEM Servo Motor Controller with CANopen® and CiA 402®

QuickSilver has added a CANopen® option to its OEM servo motor controller. CANopen may be configured for peer-to-peer, master or slave. This allows the controllers to share I/O and registers with other CANopen enabled SilverDust™ controllers or 3<sup>rd</sup> party CANopen devices (i.e. I/O blocks, encoders, PLCs...). For a multi-axis system, connect several IG-Js, make one the master and let the others receive motion commands over CANopen.



The IG-J1 supports the CAN in Automation (CiA®) CANopen Drives and Motion Control Profile 402 which allows master CANopen devices, such as PLCs, to communicate using a standard set of motion commands.

This servo controller is designed to drive QuickSilver's line of I-Grade NEMA 17, 23 and some 34 frame motors generating from 21 oz-in (0.15Nm) to 300 oz-in (2.1Nm) continuous torque. It also includes serial communications (RS-232, RS-485), and 7 I/O. The RS-232/RS-485 serial network runs in parallel with CAN for supervisory control from a host (i.e. PC, PLC, HMI..).

The 7 bi-directional I/O, 12V-48V input power, and communications signals are accessed through the DB15HD port and can be converted to terminal strips using one of the popular breakouts (QCI-BO-B, QCI-BO-B1, QCI-BO-B1A, or QCI-BO-B52).

### QCI-D2-IG-J1 Features:

- 12-48V DC Input Power (UL CE)
- 7 TTL, Bi-Directional I/O (Optional 24V)
- 4 Analog Inputs
- Analog Output Option
- Non-Volatile Memory (~3000 lines)
- R2-232/485(ASCII, Modbus® RTU)
- 3.5A Continuous/4.5A Peak
- CANopen (CiA 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-DS019 at [www.QuickSilverControls.com](http://www.QuickSilverControls.com).

Prices subject to change without notice.

CANopen® and CiA® are registered community trade marks of CAN in Automation e.V.