

# QCONTROL 4



Fieldbus expansion

Encoder inputs

Digital inputs & outputs

Analogue inputs & outputs

LED display

Ethernet port

Serial ports

CANopen network

**SERVO**net network

**SERVO**net  
ENABLED

## A fully networked, high performance motion controller for 4 axes of motion

- Will control four servo drives of any type
- Choice of Quin PTS or QLC (IEC 61131-3) programming environments
- Fast processing core with expansion for fieldbus networks- Profibus, Devicenet, Modbus
- 10/100Mbit/s Ethernet interface for programming and on-line data access and diagnostics
- Fast digital inputs and outputs for registration, cam switches, etc
- Expansion I/O available plus 5th encoder input
- **SERVO**net network available for synchronising with additional controllers and drives

**QUIN**

## Specification

Feature	Details
Part Number	QCON401
Number of motor control outputs	4 (including enable relay), +/- 10V
Number of encoder inputs	4 standard with option for 5th master encoder
Encoder input types	Squarewave incremental, sinusoidal incremental, Absolute SSI, SinCos (Hiperface), EnDat
Ethernet interface (standard)	RJ45 10/100 Mbit/sec. TCP/IP for programming, HMI access
CANbus interface	2 <b>SERVO</b> net & Synchrolink for networking CANopen for I/O expansion and encoder input
Fieldbus options	Profibus, Devicenet, Modbus TCP, Modbus RTU, Datahighway, Interbus S
Digital inputs (standard) (optional expansion)	16 digital 24V PNP opto-isolated, LED status indicators 16 or 8 (with 5th encoder), plus CANopen modules
Digital outputs (standard) (optional expansion)	8 digital 24V PNP opto-isolated, LED status indicators 8 plus CANopen modules
Analogue inputs	4 x +/- 10V, 12 bit resolution
Serial ports	2; RS232/ RS485 selectable
Programming Tools	Quin Programmable Transmission System (PTS) Quin Logic Controller (QLC-IEC 61131-3 language)
Flash memory	4 Mb field programmable 120 kb battery backed RAM
Display	4 x 7 segment for status & error reporting
Dimensions (HxWxD)	314mm x 66mm x 199 mm (plus connectors)
Weight	1.5 kg
Power supply	24V dc

## Options

Feature	Details
Quin Logic Controller (QLC)	Standard programming via IEC 61131-3
Motion Generator	Graphical generation of non-linear motion
Operator interface	Quin Operator Panel & simple LCD text terminal Full range of graphical interfaces available
Power Supply	PS-O4P provides all dc power requirements of unit and sensors; 24V, 12V, 5V
Programming & diagnostics	PTS Toolkit CD provided with system
PTS Scope	Enhancement of PTS Toolkit to provide on-line software oscilloscope for diagnostics and machine monitoring
Modem	Allows remote diagnostics, 24V dc, DIN rail mounted
Quin can also supply	Motors, gearboxes, drives, cables, encoders, sensors, etc. Please ask for other components used by and distributed by Quin

**Choice of Quin  
PTS or QLC  
Standard  
programming via  
QLC (IEC 61131-3)  
software**

**Quin motion  
control functions  
include:**

- Registration control, including shift register
- Cams with interactive generation
- Software gearbox/ lineshaft
- Software differential
- Ratio control-linear & non-linear
- Aligning & clutching
- Position triggers
- Tension control
- Multiple masters
- Local & remote diagnostic capability



QUIN SYSTEMS  
REGISTERED TO ISO 9001  
FILE NO. A9017

