



Fieldbus expansion

Digital inputs and outputs

LED display

Ethernet port

Serial ports

CANopen

SERVOnet

ABB
Inverter



Local I/O
motor control

QDRIVE



Local I/O
motor control

QDRIVE



Local I/O
motor control

QCONTROL



Delivers distributed motion control for modular machines

- Synchronises systems up to 240 axes
- Choice of Quin PTS or QLC (IEC 61131-3) programming environments
- Fieldbus expansion provides wide choice of connectivity- Profibus, Devicenet, Modbus, etc
- 10/100Mbit/s Ethernet interface for programming and on-line data access and diagnostics
- Fast, distributed digital and analogue I/O- registration, cam switches, tension control, etc

QUIN

SERVOnet

QManager uses **SERVOnet** to network machine control in a distributed manner. **SERVOnet** provides a modular approach to motion control strategy and machine design, and consists of three essential components: QManager, axis modules (i.e. QDrives), and **SERVOnet** cable.

QManager is modelled on good management practice. Like any good manager, the work and initial response is delegated to the axis modules or QDrives. There is a single point for programming and diagnostics on a **SERVOnet** system- through the QManager.

The QManager then forms the communications hub for factory networks that include EtherNet, Profibus, DeviceNet, Modbus, and many other standard interfaces which are available as plug-in options.

Specification

Feature	Details
Part Number	PQMAN502
Ethernet Interface (standard)	RJ45 10/100 Mbit/sec. TCP/IP for programming, HMI access
CANbus interface	2 SERVOnet & Synchrolink for networking CANopen for I/O expansion and encoder input
Fieldbus options	Profibus, Devicenet, Modbus TCP, Modbus RTU, Datahighway
Digital inputs	16 digital 24V PNP opto-isolated, LED status indicators Expansion via CANopen modules- please ask for details
Digital outputs	8 digital 24V PNP opto-isolated, LED status indicators Expansion via CANopen modules- please ask for details
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 199mm (plus connectors)
Weight	2.0 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-Q4P 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

QUIN