

## Technical data

# ProNumeric controllers



### XCx 400

The XCx 400 is a series of entry-level rack-based controller systems. Available as PLC and CNC/PLC controllers for use with different numbers of axes; there is always a right model for the right application. By integrating inputs/outputs and a power adapter, the controller can also be used as a stand-alone. There is also an extensive range of expansion modules available to go with them.

### XCx 800

The XCx 800 complements the XCx 400 characteristics with an integrated Sercos® III interface, a status display and significantly enhanced performance. This makes it the all-rounder of the XCx family - whether as a stand-alone (thanks to its integrated power adaptor and inputs/outputs) or installed with expansion modules.

### Product features

#### XCx 400

- + Up to 16 NC axes in max. 8 subsystems
- + Interpolation cycle from 1 ms
- + Interfaces: Ethernet, CANopen, RS232, RS422/485, 2 x USB, XRIO
- + High-speed I/Os with cut-off frequency up to 2 MHz
- + Integrated I/Os: 4 combination I/Os and 4 inputs, 24 V (standard), 3 inputs and 2 outputs, 5 V (high-speed)

#### XCx 800

- + Up to 32 NC axes in max. 16 subsystems
- + Interpolation cycle from 1 ms
- + Interfaces: Sercos® III, Ethernet, CANopen, RS232, RS422/485, 2 x USB, XRIO
- + High-speed I/Os with cut-off frequency up to 2 MHz
- + Integrated I/Os: 4 combination I/Os and 4 inputs, 24 V (standard), 3 inputs and 2 outputs, 5 V (high-speed)

#### XCx 1200

- + Up to 64 NC axes in max. 32 subsystems
- + Interpolation cycle from 1 ms
- + Interfaces: 3 x Ethernet, 2 x Sercos® III, 4 x USB, CANopen, RS232, RS422/RS485, DVI-I

#### XCi 600

- + Up to 32 NC axes in max. 16 subsystems
- + Interpolation cycle from 1 ms
- + Operating systems: Windows 8 embedded, VxWorks in parallel operation
- + Intel processor Core i3
- + Clock frequency 2 x 1,8 GHz
- + 2 cores and HyperThreading
- + RAM: 2 GB DDR3
- + Flash-based SSD with 32 GB
- + Interfaces: EtherCAT®, DVI, VGA, 7 x USB, 3 x GB-Ethernet,

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### XCx1200

The XCx 1200 combines the advantages of a classic PLC/CNC controller with those of a modern industrial PC with CPUs up to Intel Core i7 for extreme performance. Using passive cooling and Compact Flash or solid state disks instead of rotating mass storage ensures reliable operation in rough conditions. Even an uninterruptible power supply is superfluous: The operating system VxWorks with Windows XP embedded always boots up from a defined state. An extensive range of I/O components are also available as expansion modules.

### XCI600

Highly compact industrial PC solution in "Book PC" format of dimensions L 100.0 x W 200.0 x H 200.0 mm / L 3.9 x W 7.9 x H 7.9 in. The housing is a robust steel housing with excellent EMC properties. Particular attention has been given to energy efficiency. Consistent use of power-saving components allows not only for low power consumption but also allows for a particularly low-cost cooling concept. There is no need for an active cooling system, for example, and cabinet convection is absolutely sufficient for use of the ProNumeric XCI 600. As in the XCx 1200, it features the Windows platform for visualization, data processing etc. and the Schleicher control system with PLC/CNC. I/O and drives are networked via EtherCAT®.

### About Schleicher

Schleicher Electronic is a leading provider of automation solutions and the only controls provider owning a proprietary NC kernel catering to medium-sized companies for use of the controls in the manufacture of machines and plants. Since its foundation in 1937, Schleicher has been standing for quality, innovation and experience: What began in 1958 with the invention of the time relay was perpetuated with the development in 1985 of the proprietary NC kernel and with the company's own programming and production of customized control systems.

This company's longstanding tradition in innovation has its origin in Berlin, a major worldwide science hub; Cooperative projects with internationally renowned research institutes ensure constant inspiration for new developments, giving Schleicher Electronic that decisive edge in the area of complex, high performance industrial applications. The company's four core competencies include high-performance control systems, relays, electronic engineering services (EES) and electronic manufacturing services (EMS). Featuring roughly 90 employees, Schleicher Electronic does its manufacturing exclusively in Berlin. Schleicher solutions are in use worldwide.

### Schleicher's product portfolio

- + Control Systems
- + Relays
- + Electronic Engineering Services
- + Electronic Manufacturing Services