

Compact, powerful, cost-effective



→ The C6920 control cabinet PC from Beckhoff is the first model of a new generation of Industrial PCs: small, compact, without extensions slots, and equipped with all basic interfaces. With the entry of real-time Ethernet into automation technology, the shape of housings is changing. Fieldbus cards are no longer needed - the standard Ethernet port is used as the communication interface. With two on-board Ethernet interfaces, the C6920 is therefore equipped for EtherCAT, the new Ethernet real-time solution from Beckhoff.

The new Industrial PC C6920 rounds off the Beckhoff lower end PC offering, in terms of design and price. The Industrial PC is designed for control cabinet installation and is equipped with a slot motherboard. Despite its very small design measuring only 82 x 160 x 215 mm (W x H x D), the Industrial PC with Intel Celeron 733 MHz or Intel Pentium III 850 MHz processor offers a powerful basis for PC-based control. The control cabinet PC integrates all main PC interfaces: 2 x RS232, 2 x USB, 1 x DVI, two PS/2 interfaces for keyboard and mouse connection and two Intel Ethernet adapters with 10/100 Base-T. Optionally, a flash disk can be used as memory medium instead of the 2 1/2 inch IDE hard disk.

With regard to price and performance, the new C6920 is positioned between the C63xx series control cabinet PCs and the modular Embedded PC CX1000. The PC hardware platform for PLC and motion control tasks thus becomes even more finely scalable.

The robust stainless steel PC weighs only 3 kg and enables PC controllers with minimum space requirements. It is installed via

the rear panel or alternatively via the side panel. The design enables it to be used in small switch or terminal boxes.

However, the smallest variant of the control cabinet PCs is not restricted to Ethernet-based controls. Optionally, standard fieldbus masters can be integrated, which are factory installed to the motherboard via the PC104 interface.

The IPC can be operated "headless" without monitor or via the DVI/USB interfaces with a Beckhoff Control Panel from the CP68xx or CP78xx range. In the Panel PC version, the Industrial PC is mounted behind the Beckhoff built-in Control Panel. The Panel PC series CP69xx is designed for installation in the front of a control cabinet. Built-in Control Panels with DVI and USB connection in the sizes 6.5, 10, 12, 15 or 18 inches form the front of the Panel PC. The right display size and keyboard are thus available for every application. The Panel PC variant has an external case made from aluminum.

Features of the Control Cabinet PC C6920

Housing

- | Industrial PC for space-saving control cabinet mounting,
- | All connections on one side
- | Detailed information about the PC configuration can be found on the housing
- | Stainless steel housing in protection class IP 20
- | Operating temperature 0 to 55 °C
- | Weight with basic equipment approx. 3 kg
- | External dimensions (W x H x D) 82 x 160 x 215 mm without mounting plate

Features

- | Intel Celeron 733 MHz processor, optionally Intel Pentium III 850 MHz processor
- | Slot motherboard with Socket 370 for Intel Celeron or Pentium III
- | 128 MB SDRAM DIMM module, extendable up to 512 MB
- | On-board graphics adapter, DVI interface, monitor connection
- | DVI and USB interface for connecting a CP68xx or CP78xx Control Panel
- | IDE hard disk, 2 1/2 inch, 20 GB
- | 2 serial RS232, 2 USB interfaces on-board
- | PS/2 keyboard and mouse connections
- | Dual Intel Ethernet adapter on-board with 2 x 10/100 Base-T connection
- | 24 V DC power supply unit
- | Optional: configuration as CP69xx Panel PC