



Beckhoff presents new generation of built-in Control Panels and Panel PCs

→ Beckhoff control and display devices with familiar high quality and performance, yet up to 40% more cost-effective! The "Economy" series from Beckhoff offers high-performance Control Panels and Panel PCs with new technology at a lower price. The CP69xx "Economy" Control Panels offer a further innovation: With the DVI/USB extended connection, the Panels can be installed at a distance of up to 50 m from the PC.

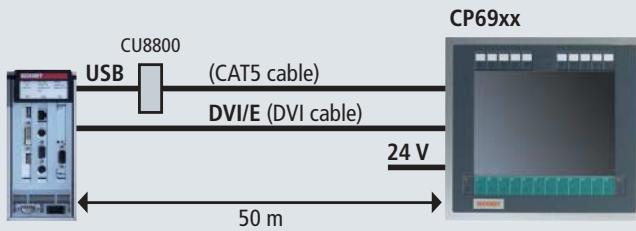
Proven quality at a lower price

With regard to Industrial PCs, technological development is reflected in modified types containing the latest processors and advanced components, such as memory. A further factor is reduced market prices for bought-in components – a price advantage that Beckhoff passes on directly to its customers. In the past, prices for comparable Industrial PCs only used to come down gradually – largely due to increased processor performance. With the "Economy" Control Panel and Panel PC series, Beckhoff has achieved a real quantum leap: The devices feature a new design that makes them 20% to 40% more cost-effective than previous models, while offering the same performance.

Panels for all requirements

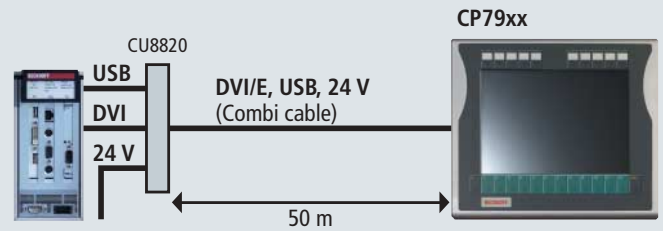
The built-in "Economy" Panels with IP 65 protection at the front are offered in three variants that cover a wide range of applications:

| **CP62xx** | The most powerful version of the Panel PC offers Pentium® M performance and is eminently suitable as a stand-alone solution.



Connection of the CP69xx built-in Control Panel:

No CAT5 cable is required if a Control Panel without membrane keyboard and touchscreen is used.



Connection of the CP79xx Control Panel: Single-cable solution for the DVI/USB signal and the power supply.

"Economy" Control Panels – high-performance display and operator control elements with new technology at a lower price.

- | **CP66xx** | The Ethernet Control Panel with 266 MHz XScale processor can be connected via two 10/100 Mbits Ethernet interfaces and is ideally suited for application as an independent PC, or it can be used as a terminal client.
- | **CP69xx** | The Control Panel with its DVI/USB extended connection is ideally suited as a pure display device for machine construction and system engineering applications.

The DVI/USB extended connection for the CP69xx is a real innovation. It enables devices to be installed at a distance of up to 50 m as standard; the maximum distance for conventional DVI connections is 5 m. While CP-Link from Beckhoff enables ranges of up to 100 m, the market trend for panel applications is clearly towards using standard technologies such as DVI (for image transfer) and USB (for "touch information"). At the Hanover Fair Beckhoff will present this integrated feature as a single-cable solution for CP7xxx Control Panels that even includes the power supply for the panels.

Modular design, motherboard developed in-house

The basis for the cost reduction is a new design that enables faster production and makes it possible to use identical components in different devices. The result is a significant price advantage for comparable devices that Beckhoff passes on directly to its customers. The development aimed to provide the familiar Beckhoff quality, i.e. the panels still feature an aluminum frame and the tried and tested front panels, displays and touchscreens. The aluminum frame was modified and now comes with a refined IP 20 metal cover at the rear.

The electronics were also revised. Beckhoff developed its own 3.5" motherboards, so that the mechanical configuration is the same for all three types, and the panels can be produced very efficiently. The revised electronic system also offers special benefits for the pure display devices, which now only have to accommodate the terminal lugs near the edge and now feature a more slimline design with a similar look and feel as desktop devices. Because the electronics are now located behind the display, the depth of all panels has increased from 28 mm to 50 mm, which is still small.

Immense market potential

The high-performance, high-quality IP 65 Industrial PCs from Beckhoff have been very successful right from the start. In many cases Beckhoff quality used to be desirable, but was considered too expensive by some, for more competitive (and therefore very price-sensitive) built-in device applications. The "Economy" panels



now offer all customers who had to make do with free-standing Beckhoff panels an opportunity to equip their control cabinets with high-quality, yet cost-effective displays. Particularly noteworthy is the CP62xx Panel PC with a price tag of only around 2,000 euros (\$2,300 U.S.) as a 12" device (CP6201) with Pentium® M processor, for example. Currently there is no other comparable product available on the market, because similar computers (without the benefits of the Beckhoff motherboards and housing concept) are either very deep or very expensive. An additional benefit is that devices from Beckhoff as a pure PC and Panel supplier are not restricted to automation applications, as demonstrated at this year's CeBIT, for example. Industrial PCs from Beckhoff are an attractive solution for any application requiring a robust PC. One example is a large truck manufacturer who uses Beckhoff technology as standard for production data acquisition.

- Panel PC CP62xx www.beckhoff.com/CP62xx
- Ethernet Control Panel CP66xx www.beckhoff.com/CP66xx
- DVI/USB Control Panel CP69xx www.beckhoff.com/CP69xx