

"Economy" Panel PC CP62xx for control cabinet installation

Pentium® M Panel PC in the control cabinet front

→ The Panel PCs from Beckhoff follow the trend towards ever smaller and more powerful PC controllers. With the new CP62xx Panel PC series for control cabinet installation, Beckhoff offers compact, high-performance PC technology with processors up to Pentium® M 1.8 GHz. With a depth of only 6 cm and IP 65 displays, the CP62xx opens up new opportunities for machine construction applications.



1 free mini PCI slot for fieldbus card or third Ethernet port

lithium battery of the system clock, can be changed from outside

IDE hard disk, 2 1/2", 40 GB (optional)

1 serial interface RS232

1 DVI-I port

4 USB 2.0 ports

slot for 1 Compact Flash card

1 on-board dual Ethernet adapter 1 x 10/100 BASE-T

1 on-board dual Ethernet adapter 1 x 10/100/1000BASE-T

24 V DC connection



TFT display in three sizes

- | 12" display, 800 x 600
- | 15" display, 1024 x 768
- | 19" display, 1280 x 1024

Front in four variants

- | display only
- | function keys and 10 special PLC keys with LED
- | numeric keyboard and 10 special PLC keys with LED
- | alphanumeric PC keyboard (US layout) and 10 special PLC keys with LED

The CP62xx features a free mini PCI slot for extensions. The Beckhoff mini PCI fieldbus cards for PROFIBUS, CANopen, DeviceNet, SERCOS interface, or a further Ethernet card may be used for applications with traditional fieldbus systems.

The CP62xx "Economy" built-in Panel PC series brings machines and control systems closer together. Today, control cabinets are active system components, particularly in compact machinery. The control system is no longer installed in a remote control cabinet, but directly on the machine. This type of application requires advanced computing performance and high-quality displays. The Panel PCs of the CP62xx series meet these requirements. Because of their compact design with a depth of only about 6 cm, they also provide cost-effective solutions. In conjunction with state-of-the-art PC performance, users have a complete and compact control system available that opens up new system design options.

The whole range of Control Panel fronts is available for the Panel PC: 12", 15" or 19" TFT displays, optionally with touch screen or touch pad, as monitor without keyboard or with different membrane keypad models, including full alphanumeric keyboards. In addition, the front can also be customized.

Slimline built-in IPC with 3 1/2" motherboard

The CP62xx Panel PCs feature an integrated 3 1/2" motherboard from Beckhoff with guaranteed long-term availability. The CP62xx Panel PC is equipped with an Intel® Celeron® M ULV 1.0 GHz processor and 64 MB Compact Flash as standard. It contains no rotating parts. The models with high-performance Intel® processors

(Celeron® M 1.5 GHz or Pentium® M 1.8 GHz) feature a fan tray with speed-controlled fans supported by dual ball bearings. In each configuration, the Panel PCs of this series are approved for ambient temperatures between 0 and 55 °C.

Above and below the rear cover an unobstructed 5 cm gap is required for air circulation. The C62xx is supplied with a 24 V DC power supply unit, optionally with integrated uninterruptible power supply (UPS). A battery pack can be connected externally and installed on a DIN rail close to the PC.

In its basic configuration, the Panel PC is offered with Windows CE. With a larger Compact Flash or a hard disk, Windows XP Embedded or Windows XP Professional can be installed as an option. Two Compact Flash cards or a hard disk and a Compact Flash plus the lithium battery of the system clock are accessible from the rear in the plug connector panel.

Because of its two independent Ethernet interfaces, the C62xx is ideally suited as a compact central processing unit for an EtherCAT control system, among other applications. While the 100 MBit Ethernet port offers optimum performance for all EtherCAT control tasks, a Gigabit port is available for connecting the higher-level network.

A free mini PCI slot enables different fieldbus cards or a third, independent Ethernet interface to be used. NOVRAM for fail-safe data storage can also be plugged into the mini PCI slot.