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Industrial PC

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Beckhoff at the Hanover Fair 2007: Hall 9, Stand F06

Compact Panel PC CP72xx in protection class IP 65 with innovative housing concept

The new Panel PC generation

With the CP72xx Beckhoff launches a new generation of Panel PCs. The high-performance Panel PC is designed for mounting arm installation and integrates all features required for advanced machine control in an ultra-compact slimline housing. Naturally, it also meets the basic industrial requirements such as robustness and long-term availability.

With the new CP72xx Panel PC from the "Economy" range Beckhoff offers a mounting arm Industrial PC with all-round IP 65 protection. The water- and dust-proof IPC in an aluminium housing features a motherboard developed by Beckhoff that enables very lean housing design with a housing depth of only 98 mm. The integrated add-on PC comes with a 1.5 GHz Intel® Celeron® M processor and can optionally be equipped with Intel® Pentium® M processors up to 1.8 GHz. During the second half of the year, the PC will also be available with Intel® Core™ Duo or Core™ 2 Duo processors up to 2.16 GHz.

The large variety of Control Panels available results in 38 IP 65 Panel PC variants. The CP72xx can be supplied with 12", 15" or 19" TFT displays, optionally with touch screen or touch pad. A wide range of front designs is available, including simple displays without keys, front panels with function keys or numeric keyboard, or a full alphanumeric keyboard including special PLC keys. Customised front membranes can also be provided.

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Variable mounting arm installation

The new Panel PC, which can be operated at ambient temperatures up to 45 °C, is cooled via cooling fins between the Control Panel and the add-on PC. The case features an integrated, rotating and swivelling mounting arm adapter that enables suspended mounting or installation on a stand. The CP72xx connection cables are routed directly through the mounting arm.

The Industrial PC connections (up to five) with IP 65 connectors are positioned in the large wiring space and are easily accessible. The connection section can be opened quickly without having to remove the device from the mounting arm. Due to its two independent Ethernet interfaces, the CP72xx is ideally suited as a compact central processing unit for an EtherCAT control system. A Gigabit port is available for the connection to the higher-level network.

The C72xx series Panel PCs are supplied with a 24 V power supply unit, optionally with integrated uninterruptible power supply (UPS) and an external battery pack. In its basic configuration the Panel PC is offered with Windows CE. With a larger Compact Flash card Windows XP Embedded can be installed as an option, with a hard disk Windows XP Professional can be installed. The modular device design enables two hard disks or a combination of Compact Flash card and hard disk to be used.

Straightforward integration of conventional fieldbuses

The CP72xx features a free Mini-PCI slot. If the free slot is used for a Beckhoff Mini-PCI fieldbus card, the CP72xx becomes a high-performance master for conventional fieldbus systems such as PROFIBUS, CANopen, DeviceNet, or SERCOS interface. As a further

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option a Mini-PCI fieldbus card with a third Ethernet port can be used. In this way it is even possible to realise a redundant EtherCAT configuration.

Press picture



Picture caption:

The CP72xx "Economy" Panel PC from Beckhoff with compact slimline housing meets all requirements for advanced machine control.

Download text and image:

<http://www.beckhoff.com/english/press/pr0407.htm>

Please send readers' questions regarding "CP72xx" to:

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