

New Beckhoff C65xx Industrial PC series uses control cabinets as the housing

Built-in PC for flexible IPC solutions

Beckhoff enhances its Industrial PC range with a new generation of built-in IPCs: with optimum flexibility in mind, the new C65xx series is designed to be installed in control cabinets or in the rear panel of a control or console housing. By integrating the IPC into an existing housing, this solution is extremely compact and, in addition, enables highly flexible push-button configurations and extension options at the front of the console housing.



The C65xx series is designed to be installed in control cabinets or in the rear panel of a control or console housing.

The Industrial PCs within the C65xx series feature a heat sink for external cooling that reaches ambient temperatures through a suitable cut-out in the panel of the control cabinet. Integrated seals provide a water- and dust-proof IP 67 design.

The new C65xx series offers users maximum flexibility in terms of Control Panel configuration. The IPC can be chosen independent of the number and type of control keys or switches on the control cabinet front. The C65xx series' compact, slimline housing with integrated IPC connections at the rear enables a flexible number of buttons in the cabinet front panel, depending on the application. In combination with TwinCAT automation software, the C65xx offers a power-

ful PLC and Motion Control system. Equipped with a 3 1/2-inch Beckhoff Motherboard, the C65xx Industrial PC series is available with four types of processors:

- | C65xx-0000: Intel® Celeron® M 1.5 GHz or Pentium® M 1.8 GHz
- | C65xx-0010: Intel® Core™ Duo 2.0 GHz or Core™ 2 Duo 2.16 GHz

This IPC series is available with two kinds of storage options. The C6515-0010 is a PC without moving parts and can accommodate up to two Compact Flash cards. The C6525-0010 basic model has a hard disk and can be fitted with a second optional one for a RAID system.

Flexible IPC concept: the control housing, with integrated C65xx in the rear as well as standard panel, enables a flexible number of buttons in the cabinet front panel, depending on the application.



Assembly example: built-in Control Panel in the front (left), control cabinet PC in the rear panel of the console housing

Technical data: C65xx-0010

- | built-in Industrial PC with external cooling for installation in control cabinets, control or console housing
- | passive cooling through external cooling fins
- | 3 1/2-inch Beckhoff motherboard
- | processor: Intel® Core™ Duo 2.0 GHz (optional Intel® Core™2 Duo 2.16 GHz)
- | main memory: 512 MB DDR2RAM, expandable to 2 GB ex factory
- | on-board graphic adapter: Intel® GMA950, DVI-I connection
- | on-Board dual Ethernet adapter:
1 x 10/100BASE-T and 1 x 10/100/1000BASE-T
- | interfaces: 1 x RS232 and 4 x USB-2.0 ports
- | operating system: Windows XP Embedded
- | operating temperature range: outside 0...45 °C, inside 0...55 °C
- | protection class: outside IP 67, inside IP 20

C6515-0010

- | mass storage: 1 x 1 GB Compact Flash, 1 slot free for Compact Flash
- | 1 Mini PCI slot free for NOVRAM cards installed ex works
- | dimensions (W x H x D): 240 x 230 x 81 mm

C6525-0010

- | mass storage: 1 x SATA hard disk, 2 1/2-inch, 40 GB and 1 slot free for Compact Flash card (optional second hard disk for a RAID system instead of CF card)
- | on-Board SATA RAID 1 controller, Intel® Matrix Storage Technology
- | 1 free Mini PCI slot for fieldbus or NOVRAM cards installed ex factory
- | dimensions (W x H x D): 330 x 275 x 82 mm

→ www.beckhoff.com/C65xx