CP6600-0001-0020 | 10.1-inch Economy Panel PC



Product status: regular delivery

The CP6600 and CP6606 built-in Panel PCs are designed for installation in the front of a control cabinet or control housing and can be used for a variety of applications in machine construction and plant engineering – for example, as a stand-alone controller with the TwinCAT automation software running on Windows Embedded Compact 7 or as a remote desktop display. They are available with two different touch screen displays with a 7 or 10.1-inch screen size.

Scalable performance

Both sizes are available with an ARM Cortex™-A8 processor.

Highest data availability and data security

The CP6600 and CP6606 Panel PCs are equipped with a microSD card and therefore contain no rotating components.

A 24 V power supply unit is included with both variants, optionally also with a capacitive uninterruptible power supply (1-second UPS) and NOVRAM for fail-safe data storage.

Flexible expansion options

The optional C9900-G07x push-button extensions supplement the built-in Panel PCs by an emergency stop button and three push-button keys with signal lamps.

Accessibility of the components

Both the microSD card and the lithium battery for the system clock are accessible from the rear side in the connector bracket.

Central EtherCAT control

In conjunction with the TwinCAT automation software running on Windows Embedded Compact 7, these devices are ideal for use as small controllers in machine construction and plant engineering.

Due to the independent Ethernet and EtherCAT interfaces, the CP6600 and CP6606 Panel PCs are ideal for use as the compact central unit of an EtherCAT controller.

Advantage at the very core: the Beckhoff Industrial PCs

Beckhoff is a pioneer in PC-based automation technology and has been developing and producing its own PC hardware since 1986. The technology know-how that has grown over the past decades is incorporated today into all Beckhoff Industrial PCs. Their principle feature is the use of state-of-the-art components and processors of the highest performance class. Combined with a high in-house production depth, including proprietary motherboard production, long-term component availability, extremely flexible configuration and customer-specific adaptations, Beckhoff presents itself today as one of the world's leading Industrial PC manufacturers.

Product information

Technical data

Technical data	CP6600-0001-0020	Options
Device type	Built-in Panel PC	
Housing	aluminum front with sheet-steel rear cover	
Slots for hard disk/flash	1 slot for microSD	
Installation	pull-out clamping levers for fast installation without loose parts	
Protection rating	front side IP54, rear side IP20	
Operating temperature	0...55 °C	
Display size/resolution	10.1" 1024 x 600	
Touch screen	single-finger touch screen	
Processor	ARM Cortex™-A8, 1 GHz (TC2, TC3: 30)	
Motherboard	3½-inch motherboard	
Memory	1 GB DDR3 RAM	
Graphic adapter	integrated in the processor	
Ethernet	1 x 10/100BASE-T on-board	
EtherCAT	1 x on-board	
Hard disks/flash	512 MB microSD	up to 16 GB microSD
Interfaces	2 x USB 2.0, 1 x RS232	
Power supply	24 V DC	1-second UPS
Operating system	Windows Embedded Compact 7, English	

Options

Options	10.1-inch economy Panel PC with ARM Cortex™-A8
C9900-H812	16 GB microSD card, instead of 512 MB microSD card
C9900-U213	internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the microSD flash card and 128 kbyte NOVRAM for fail-safe storage of TwinCAT process data, requires TwinCAT and Windows Embedded Compact 7
C9900-S706	TwinCAT 2 PLC runtime for Windows Embedded Compact 7
C9900-S707	TwinCAT 2 NC PTP runtime for Windows Embedded Compact 7
C9900-G072	Push-button extension for CP6x00 with landscape 10.1-inch display – push-button extension on the bottom side – 3 push-button keys with signal lamp, type RAFI RAFIX 22FS+, round, 30 mm – 1 emergency stop key, type RAFI RAFIX 22FS+ – Labels for push-button caps for individual marking of each push-button can be ordered as an option. – The emergency stop key is wired with two normally-closed contacts, the red push-button with one normally-closed contact and the remaining push-buttons each with one normally-open contact to a terminal row. – Additionally, all push-buttons are transmitted with a normally-open contact via USB. – The LEDs of the push-buttons are controlled via USB only.
C9900-G073	Push-button extension for CP6x00 with landscape 10.1-inch display – push-button extension on the bottom side – 3 push-button keys with signal lamp, type RAFI RAFIX 22FS+, round, 30 mm – 1 emergency stop key, type RAFI RAFIX 22FS+ – Labels for push-button caps for individual marking of each push-button can be ordered as an option. – The emergency stop key and the red push-button are wired each with two normally-closed contacts to a terminal row. The remaining push-buttons are wired each with two normally-open contacts to a terminal row. – The LEDs of the push-buttons are wired to a terminal row.