



## Beckhoff CP26xx-0000 Panel PC with ARM Cortex A8 Owner's Manual

[Home](#) » [BECKHOFF](#) » Beckhoff CP26xx-0000 Panel PC with ARM Cortex A8 Owner's Manual 

**Beckhoff CP26xx-0000 Panel PC with ARM Cortex A8**



## Contents

- 1 [Product status: regular delivery](#)
- 2 [Product information](#)
  - 2.1 [Technical data](#)
  - 2.2 [Ordering information](#)
  - 2.3 [Options](#)
- 3 [Customer Support](#)
- 4 [Documents / Resources](#)
  - 4.1 [References](#)
- 5 [Related Posts](#)



### **Product status: regular delivery**

The built-in Panel PCs of the CP66xx series are designed for installation in the front of a control cabinet or control housing. They have a wide range of uses including remote desktop display. They are available in five different sizes as 5.7-, 6.5-, 12-, 15- or 19-inch display.

### **Scalable performance**

CP66xx Panel PCs are equipped with an ARM Cortex™-A8 processor. They are equipped with a microSD card and have no rotating parts.

### **Highest data availability and data security**

CP66xx are supplied with a 24 V power supply unit, optionally also with a capacitive uninterruptible power supply (1-second UPS).

### **Accessibility of the components**

The microSD card and the lithium battery of the system clock are accessible from the rear in the connector bracket.

### **Central Ether CAT control**

These devices are ideally suited as small controllers for machine construction and plant engineering applications in conjunction with TwinCAT automation software under Windows Embedded Compact 7.

Due to its independent Ethernet and Ether CAT interfaces the CP66xx is ideally suited as a compact central processing unit for an Ether CAT control system. NOVRAM for fail-safe data storage is integrated on the motherboard.

### **Advantage at the very core: the Benchhoff Industrial PCs**

Benchhoff 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 Benchhoff 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, Benchhoff presents itself today as one of the world's leading Industrial PC manufacturers.

## Product information

### Technical data

Technical data	CP66xx-xxxx-0020	Options
Device type	Built-in Panel PC	
Housing	aluminum front with sheet-steel rear cover	stainless steel housing with flush mounted touch screen at 12", 15" and 19" display without front keyboard
Slots for hard disk/flash	1 slot for microSD	
Installation	pull-out clamping levers for fast installation without loose parts	
Protection rating	front side IP65, rear side IP20	
Operating temperature	0...55 °C	
Display size/resolution	5.7" 640 x 480, 6.5" 640 x 480, 12" 800 x 600, 15" 1024 x 768 or 19" 1280 x 1024	
Touch screen	single-finger touch screen or touch pad	
Front keyboard	alphanumeric or numerical PC keyboard in US layout or only function keys, each variant with 10 PLC special keys and LEDs or front laminate without keys, only display	
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	
Ether CAT	1 x on-board	
Hard disks/flash	512 MB microSD	up to 16 GB microSD
Persistent memory	128 Kbyte NOVRAM	
Interfaces	2 x USB 2.0, 1 x RS232	
Power supply	24 V DC	1-second UPS
Operating system	Windows Embedded Compact 7, English	

### Ordering information

<b>CP66xx-xxxx-0020</b>	<b>Built-in Panel PC with ARM Cortex™-A8</b>
<b>CP6607-0000-0020</b>	5.7-inch display 640 x 480, without keys
<b>CP6607-0001-0020</b>	5.7-inch display 640 x 480, without keys, with touch screen
<b>CP6609-0000-0020</b>	6.5-inch display 640 x 480, without keys
<b>CP6609-0001-0020</b>	6.5-inch display 640 x 480, without keys, with touch screen
<b>CP6619-0000-0020</b>	6.5-inch display 640 x 480, function keys
<b>CP6619-0001-0020</b>	6.5-inch display 640 x 480, function keys, with touch screen
<b>CP6629-0000-0020</b>	6.5-inch display 640 x 480, numeric keyboard
<b>CP6629-0001-0020</b>	6.5-inch display 640 x 480, numeric keyboard, with touch screen
<b>CP6601-0000-0020</b>	12-inch display 800 x 600, without keys
<b>CP6601-0001-0020</b>	12-inch display 800 x 600, without keys, with touch screen
<b>CP6601-0020-0020</b>	12-inch display 800 x 600, without keys, USB A socket in the front
<b>CP6601-0021-0020</b>	12-inch display 800 x 600, without keys, USB A socket in the front, with touch screen
<b>CP6611-0000-0020</b>	12-inch display 800 x 600, function keys
<b>CP6611-0001-0020</b>	12-inch display 800 x 600, function keys, with touch screen
<b>CP6621-0000-0020</b>	12-inch display 800 x 600, numeric keyboard
<b>CP6621-0001-0020</b>	12-inch display 800 x 600, numeric keyboard, with touch screen
<b>CP6621-0002-0020</b>	12-inch display 800 x 600, numeric keyboard, touch pad
<b>CP6631-0000-0020</b>	12-inch display 800 x 600, alphanumeric keyboard

<b>CP6631-0001-0020</b>	12-inch display 800 x 600, alphanumeric keyboard, with touch screen
<b>CP6631-0002-0020</b>	12-inch display 800 x 600, alphanumeric keyboard, touch pad
<b>CP6602-0000-0020</b>	15-inch display 1024 x 768, without keys
<b>CP6602-0001-0020</b>	15-inch display 1024 x 768, without keys, with touch screen
<b>CP6602-0020-0020</b>	15-inch display 1024 x 768, without keys, USB A socket in the front
<b>CP6602-0021-0020</b>	15-inch display 1024 x 768, without keys, USB A socket in the front, with touch screen
<b>CP6612-0000-0020</b>	15-inch display 1024 x 768, function keys
<b>CP6612-0001-0020</b>	15-inch display 1024 x 768, function keys, with touch screen
<b>CP6622-0000-0020</b>	15-inch display 1024 x 768, numeric keyboard
<b>CP6622-0001-0020</b>	15-inch display 1024 x 768, numeric keyboard, with touch screen
<b>CP6622-0002-0020</b>	15-inch display 1024 x 768, numeric keyboard, touch pad
<b>CP6632-0000-0020</b>	15-inch display 1024 x 768, alphanumeric keyboard
<b>CP6632-0001-0020</b>	15-inch display 1024 x 768, alphanumeric keyboard, with touch screen
<b>CP6632-0002-0020</b>	15-inch display 1024 x 768, alphanumeric keyboard, touch pad

<b>CP6603-0000-0020</b>	19-inch display 1280 x 1024, without keys
<b>CP6603-0001-0020</b>	19-inch display 1280 x 1024, without keys, with touch screen
<b>CP6603-0020-0020</b>	19-inch display 1280 x 1024, without keys, USB A socket in the front
<b>CP6603-0021-0020</b>	19-inch display 1280 x 1024, without keys, USB A socket in the front, with touch screen
<b>CP6613-0000-0020</b>	19-inch display 1280 x 1024, function keys
<b>CP6613-0001-0020</b>	19-inch display 1280 x 1024, function keys, with touch screen
<b>CP6623-0000-0020</b>	19-inch display 1280 x 1024, numeric keyboard
<b>CP6623-0001-0020</b>	19-inch display 1280 x 1024, numeric keyboard, with touch screen
<b>CP6623-0002-0020</b>	19-inch display 1280 x 1024, numeric keyboard, with touch pad
<b>CP6633-0000-0020</b>	19-inch display 1280 x 1024, alphanumeric keyboard
<b>CP6633-0001-0020</b>	19-inch display 1280 x 1024, alphanumeric keyboard, with touch screen
<b>CP6633-0002-0020</b>	19-inch display 1280 x 1024, alphanumeric keyboard, touch pad

#### Options

<b>Options</b>	<b>Built-in Panel PC with ARM Cortex™-A8</b>
<b>C9900-T902</b>	touch screen pen with wall holder for CP6xxx
<b>C9900-F305</b>	stainless steel front with flush-mounted touch screen for CP6207-0001, CP6607-0001, CP6907-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminum front
<b>C9900-F309</b>	stainless steel front with flush-mounted touch screen for CP6209-0001, CP6609-0001, CP6909-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminum front

<b>C9900-F700</b>	stainless steel front with flush-mounted touch screen for CP6201-0021, CP6601-0021, CP6701-0021-0040/-0050, CP6901-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminum front
<b>C9900-F306</b>	stainless steel front with flush-mounted touch screen for CP6201-0001, CP6601-0001, CP6701-0001-0040/-0050, CP6901-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminum front
<b>C9900-F701</b>	stainless steel front with flush-mounted touch screen for CP6202-0021, CP6602-0021, CP6702-0021-0040/-0050, CP6902-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminum front
<b>C9900-F303</b>	stainless steel front with flush-mounted touch screen for CP6202-0001, CP6602-0001, CP6702-0001-0040/-0050, CP6902-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminum front
<b>C9900-F307</b>	stainless steel front with flush-mounted touch screen for CP6203-0001, CP6603-0001, CP6703-0001-0040/-0050, CP6903-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminum front
<b>C9900-F702</b>	stainless steel front with flush-mounted touch screen for CP6203-0021, CP6603-0021, CP6703-0021-0040/-0050, CP6903-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminum front
<b>C9900-H812</b>	16 GB microSD card, instead of 512 MB micro card
<b>C9900-S706</b>	Twin CAT 2 PLC runtime for Windows Embedded Compact 7
<b>C9900-S707</b>	Twin CAT 2 NC PTP runtime for Windows Embedded Compact 7
<b>C9900-U212</b>	internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the flash card, requires Twin CAT and Windows Embedded Compact 7
<b>C9900-M296</b>	wall mounting frame for building installation for 5.7"economy built-in Panel PC CP6607 or economy built-in Control Panel CP6907
<b>C9900-M311</b>	wall mounting frame for building installation for 6.5"economy built-in Panel PC CP6609 or economy built-in Control Panel CP6909
<b>C9900-M313</b>	wall mounting frame for building installation for 12"economy built-in Panel PC CP6601 or economy built-in Control Panel CP6901
<b>C9900-M314</b>	wall mounting frame for building installation for 15"economy built-in Panel PC CP6602 or economy built-in Control Panel CP6902
<b>C9900-M316</b>	wall mounting frame for building installation for 19"economy built-in Panel PC CP6603 or economy built-in Control Panel CP6903

## Customer Support


<https://www.beckhoff.com/cp66xx-xxxx-0020>



# BECKHOFF

New Automation Technology

## Documents / Resources

	<p><a href="#">Beckhoff CP26xx-0000 Panel PC with ARM Cortex A8</a> [pdf] Owner's Manual CP26xx-0000 Panel PC with ARM Cortex A8, CP26xx-0000, Panel PC with ARM Cortex A8, PC with ARM Cortex A8, ARM Cortex A8, Cortex A8</p>
------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## References

- [Beckhoff CP66xx-xxxx-0020 | Panel PC with ARM Cortex™-A8 | Beckhoff Australia](#)
- [User Manual](#)