

CP67xx | Built-in Panel PC

The compact built-in Industrial PC

The CP67xx built-in Panel PC series is designed for installation in the front of a control cabinet or control housing. The CP67xx series combines the Beckhoff Control Panel design with state-of-the-art Industrial PC technology. The right display size and keyboard are available for every application.

With their highly integrated Beckhoff motherboard the CP67xx built-in Industrial PCs represent a high-performance platform for machine construction and plant engineering applications running the TwinCAT automation software under Windows CE or Windows XP Embedded. The PC can be equipped with a 6.5-, 12- or 15-inch LC display, or as a monitor without keys or with different types of keyboard. Optionally, a touch screen or touch pad is available. In addition, a large number of push-button extensions are available.

A CP67xx Panel PC is equipped with a 500 MHz AMD LX800 processor and 64 MB Compact Flash. It contains no rotating parts.

In each configuration the Panel PCs of this series are approved for ambient temperatures between 0 and 55 °C. Cooling is achieved directly via the rear panel of the Control Panel. No fan is required.

The CP67xx Panel PCs are supplied with a 24 V power supply unit. The Panel PC is offered with a CF card up to 8 GB capacity, which is suitable for installation of Windows XP Embedded or Windows CE. The Compact Flash card and the lithium battery for the system clock are accessible from the rear.

Due to its two independent Ethernet interfaces, the CP67xx is ideally suited as a compact central processing unit for an EtherCAT control system. One of the 100 Mbit Ethernet ports offers optimum performance for all EtherCAT control tasks. The second port is available for connecting a higher-level network or for further automation tasks. NOVRAM can be provided as an option for fail-safe data storage.

CP67xx	Built-in Panel PC
Features	<p>TFT display in four sizes</p> <ul style="list-style-type: none"> – 6.5-inch display 640 x 480 – 12-inch display 800 x 600 – 15-inch display 1024 x 768 – 19-inch display 1280 x 1024 <p>aluminium housing, front side IP 65, rear side IP 20</p> <p>front laminate in four variants</p> <ul style="list-style-type: none"> – only display – function keys and 10 PLC special keys with LED – numeric keyboard and 10 PLC special keys with LED – alphanumeric PC keyboard in US layout and 10 PLC special keys with LED <p>special keys identified by slide-in labels</p> <p>integrated PC, AMD LX800 processor 500 MHz, 256 MB DDR RAM</p> <p>64 MB Compact Flash card type I, extended temperature range</p> <p>2-port USB 2.0 interface in the backplane</p> <p>2 RJ 45 Ethernet connectors 10/100 Mbps</p> <p>1 RS232 serial port interface in the backplane, D-Sub, 9-pin</p> <p>24 V power supply, connector in the backplane</p> <p>operating temperature 0...55 °C</p> <p>pull-out clamping levers for fast installation without loose parts</p> <p>operating system Microsoft Windows CE, English</p>
Options	<p>touch screen pen with wall holder</p> <p>push-button extension with electromechanical switches and keys</p> <p>larger compact flash card, internal</p> <p>Windows XP Embedded</p> <p>TwinCAT run-time for Windows CE</p>
Further information	<p>www.beckhoff.com/CP67xx</p>



Without keys



Function keys



Numeric keyboard

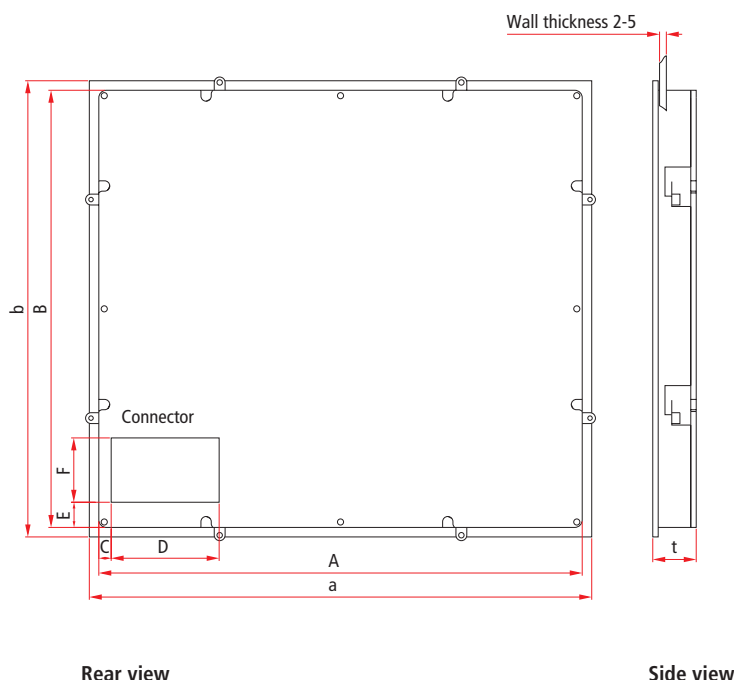


Alphanumeric keyboard

Ordering information	without touch screen	with touch screen	with touch pad
Display only			
12-inch display 800 x 600	CP6709-0000	CP6709-0001	
12-inch display 800 x 600	CP6701-0000	CP6701-0001	
15-inch display 1024 x 768	CP6702-0000	CP6702-0001	
19-inch display 1280 x 1024	CP6703-0000	CP6703-0001	
With function keys			
12-inch display 800 x 600	CP6719-0000	CP6719-0001	
12-inch display 800 x 600	CP6711-0000	CP6711-0001	
15-inch display 1024 x 768	CP6712-0000	CP6712-0001	
19-inch display 1280 x 1024	CP6713-0000	CP6713-0001	
Numeric keyboard			
12-inch display 800 x 600	CP6729-0000	CP6729-0001	
12-inch display 800 x 600	CP6721-0000	CP6721-0001	CP6721-0002
15-inch display 1024 x 768	CP6722-0000	CP6722-0001	CP6722-0002
19-inch display 1280 x 1024	CP6723-0000	CP6723-0001	CP6723-0002
Alphanumeric keyboard			
12-inch display 800 x 600	CP6731-0000	CP6731-0001	CP6731-0002
15-inch display 1024 x 768	CP6732-0000	CP6732-0001	CP6732-0002
19-inch display 1280 x 1024	CP6733-0000	CP6733-0001	CP6733-0002

Dimensions

The drawings are available as AutoCAD DXF files at www.beckhoff.com. The device must be installed in the orientation that is shown in the rear view drawing.



Rear view

Side view

Dimensions in mm

Dimensions		a	b	t	A	B	C	D	E	F
Display only										
CP6709	6.5" display	272.3 mm	181 mm	42 mm	258.3 mm	167 mm	12 mm	27 mm	49 mm	108 mm
CP6701	12" display	372.2 mm	342.2 mm	32 mm	358.2 mm	328.2 mm	12 mm	80 mm	20 mm	50 mm
CP6702	15" display	430.4 mm	403 mm	32 mm	416.4 mm	389 mm	10 mm	80 mm	25 mm	50 mm
CP6703	19" display	508.4 mm	436 mm	43 mm	494.4 mm	449 mm	12 mm	80 mm	22 mm	50 mm
With function keys										
CP6719	6.5" display	272.3 mm	221 mm	42 mm	258.3 mm	207 mm	12 mm	27 mm	50 mm	108 mm
CP6711	12" display	372.2 mm	342.2 mm	32 mm	358.2 mm	328.2 mm	10 mm	80 mm	20 mm	50 mm
CP6712	15" display	430.4 mm	403 mm	32 mm	416.4 mm	389 mm	10 mm	80 mm	25 mm	50 mm
CP6713	19" display	508.4 mm	463 mm	43 mm	494.4 mm	449 mm	12 mm	80 mm	20 mm	50 mm
Numeric keyboard										
CP6729	6.5" display	340.4 mm	221 mm	42 mm	326.4 mm	207 mm	12 mm	50 mm	20 mm	80 mm
CP6721	12" display	414 mm	336 mm	32 mm	400 mm	322 mm	10 mm	80 mm	22 mm	50 mm
CP6721-0002	12" display	444.2 mm	336 mm	32 mm	430.2 mm	322 mm	45 mm	80 mm	22 mm	50 mm
CP6722	15" display	519.4 mm	378.2 mm	32 mm	505.4 mm	364.2 mm	10 mm	80 mm	15 mm	50 mm
CP6723	19" display	567.4 mm	434 mm	43 mm	553.4 mm	420 mm	17 mm	80 mm	30 mm	50 mm
Alphanumeric keyboard										
CP6731	12" display	410.4 mm	378.2 mm	32 mm	396.4 mm	364.2 mm	10 mm	80 mm	60 mm	50 mm
CP6731-0002	12" display	430.4 mm	378.2 mm	32 mm	416.4 mm	364.2 mm	10 mm	80 mm	20 mm	50 mm
CP6732	15" display	489.4 mm	418.2 mm	32 mm	475.4 mm	404.2 mm	35 mm	80 mm	70 mm	50 mm
CP6733	19" display	508.4 mm	543 mm	43 mm	494.4 mm	529 mm	42 mm	80 mm	100 mm	50 mm