



CP77xx | "Economy" Panel PC

The compact Industrial PC with mounting arm

The CP77xx Panel PC series is designed for mounting arm installation. Control Panels form the front of the IP 65 Panel PC. The right display size and keyboard are thus available for every application. The CP77xx Industrial PCs represent a powerful platform for use in machine and plant construction, for example using the TwinCAT automation software.

The PC can be equipped with a 12-, 15- or 19-inch LC display, 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.

Cooling is achieved directly via the rear panel of the Control Panel. No fan is required. The PC can be operated at up to 45 °C ambient temperature.

The housing is optionally designed for direct wall mounting or for mounting arm installation. The mounting arm can be attached from above or below. If a mounting arm is used, the connection cables are fed through the mounting arm adapter attached centrally at the rear. Prefabricated cables in various lengths are available for the Ethernet connections.

The compact aluminium housing of the Panel PCs CP77xx is equipped with a Beckhoff motherboard for Intel® Celeron® ULV.

Due to its two independent gigabit Ethernet interfaces, the CP77xx are ideally suited as a compact central processing unit for an EtherCAT control system.

The CP77xx series Panel PCs are supplied with a 24 V power supply unit. The CFast card and the lithium battery for the system clock are located under a cover and accessible from the rear.

Variants	Processor	available
CP77xx-xxxx-0030	Intel® Atom™ (TC3: 40*)	yes, but not recommended for new projects
CP77xx-xxxx-0040	Intel® Celeron® (TC3: 50*)	yes

*The TwinCAT 3 performance class defines the exact ordering number for the respective TwinCAT 3 product. Please see [here](#) for an overview of the TC3 performance classes.



Without keys



Function keys



Numeric keyboard (position of numeric keypad depends on display size)



Alphanumeric keyboard (position of numeric keypad depends on display size)

Ordering information	without touch screen	with single-touch screen	with touch pad
Display only			
6.5-inch display 640 x 480	CP7709-0000-00xx	CP7709-0001-00xx	
12-inch display 800 x 600	CP7701-0000-00xx	CP7701-0001-00xx	
15-inch display 1024 x 768	CP7702-0000-00xx	CP7702-0001-00xx	
19-inch display 1280 x 1024	CP7703-0000-00xx	CP7703-0001-00xx	
Display only, USB A socket in the front			
12-inch display 800 x 600	CP7701-0020-00xx	CP7701-0021-00xx	
15-inch display 1024 x 768	CP7702-0020-00xx	CP7702-0021-00xx	
19-inch display 1280 x 1024	CP7703-0020-00xx	CP7703-0021-00xx	
With function keys			
6.5-inch display 640 x 480	CP7719-0000-00xx	CP7719-0001-00xx	
12-inch display 800 x 600	CP7711-0000-00xx	CP7711-0001-00xx	
15-inch display 1024 x 768	CP7712-0000-00xx	CP7712-0001-00xx	
19-inch display 1280 x 1024	CP7713-0000-00xx	CP7713-0001-00xx	
Numeric keyboard			
6.5-inch display 640 x 480	CP7729-0000-00xx	CP7729-0001-00xx	
12-inch display 800 x 600	CP7721-0000-00xx	CP7721-0001-00xx	CP7721-0002-00xx
15-inch display 1024 x 768	CP7722-0000-00xx	CP7722-0001-00xx	CP7722-0002-00xx
19-inch display 1280 x 1024	CP7723-0000-00xx	CP7723-0001-00xx	CP7723-0002-00xx
Alphanumeric keyboard			
12-inch display 800 x 600	CP7731-0000-00xx	CP7731-0001-00xx	CP7731-0002-00xx
15-inch display 1024 x 768	CP7732-0000-00xx	CP7732-0001-00xx	CP7732-0002-00xx
19-inch display 1280 x 1024	CP7733-0000-00xx	CP7733-0001-00xx	CP7733-0002-00xx