

Beckhoff — CP Panel PC Systems

CP6702-0001-0050 **In-Stock, Ships Today**

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The **CP6702-0001-0050** is a panel PC manufactured by Beckhoff and supplied within the CP Panel PC Systems series. It integrates an industrial computer and display into a single housing, allowing visualization, data logging, and soft PLC tasks to run directly at the point of operation. This integrated arrangement removes the need for a separate PC enclosure and reduces the amount of wiring required in distributed automation cells. The unit can be installed near machinery where operators need immediate access to process controls and production information.

The unit operates from a **24 VDC** control supply and supports continuous operation from 0 °C to **55 °C**. Permissible relative humidity reaches 95% without condensation. A sealed aluminum bezel provides **IP65** protection on the front face, while the rear panel has an **IP20** rating for cabinet-mounted environments where internal airflow is available. The fanless assembly weighs **6.3 kg**, permitting VESA or support-arm mounting without heavy brackets. One DVI-I connector allows a remote monitor to mirror the integrated screen or extend the available display area.

Two RJ45 sockets provide Gigabit Ethernet networking over **10/100/1000BASE-T**, allowing the computer to exchange process data with PLCs, drives, and manufacturing execution systems. The unit includes **four USB 2.0 ports** for scanners, storage media, keyboards, and other compatible peripherals, with transfer rates reaching 480 Mbit/s. During transport or an accidental impact, the electronics can tolerate a shock load of **5 G** for 30 ms.

Mechanical displacement along the front axis is limited to 0.035 mm between 10 and 58 Hz, helping preserve display stability when the unit is installed on moving machinery. The electronics also withstand sinusoidal vibration peaks of **0.5 G** across the 58-500 Hz range. These vibration and shock tolerances support installation on machining

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centers, packaging equipment, press lines, and material-handling systems exposed to routine industrial movement.

Specifications

Ambient temperature (operation):	0°C to +55°C	Ambient temperature (storage):	-25°C to +65°C	Control cabinet installation:	Pull-out clamping levers, no loose parts
Display size range:	5.7" to 19"	Dvi Port Count:	1	EMC emission standard:	EN 61000-6-4
EMC immunity standard:	EN 61000-6-2	Ethernet Port Count:	2	Ethernet Speed:	10/100/1000BASE-T
Front Protection:	IP65	Housing material:	Sheet-steel housing with aluminum front	Interfaces:	DVI Extended; USB Ext, Input, Output; Power
Max Operating Temp:	55 °C	Max Relative Humidity:	95%	Min Operating Temp:	0 °C
Product designation:	CP69xx	Protection rating:	Front IP65; Rear IP20	Rear Protection:	IP20
Relative humidity:	Max 95%, no condensation	Resolution range:	640x480 to 1280x1024	Shock Duration:	30 ms
Shock resistance:	5 G	Supply voltage:	24 VDC	Usb Port Count:	4
Usb Standard:	USB 2.0	Vibration 10-58 Hz:	0.035 mm	Vibration 58-500 Hz:	0.5 G
Vibration resistance:	0.035 mm @10-58 Hz; 0.5 G @58-500 Hz (EN 60068-2-6)	Weight:	6.3 kg	Last Verified:	10/25/2026 5:29 PM

Contact Us

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Payment Methods



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