

Beckhoff — CP Panel PC Systems

CP6931-0002-0000 **In-Stock, Ships Today**

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The **CP6931-0002-0000** panel PC is produced by Beckhoff as part of the CP Panel PC Systems series. Designed for machine-level visualization and control, the unit combines an industrial touchscreen front with integrated computing hardware so automation programs, SCADA clients, or HMI runtimes can run directly on the equipment. Mounting the panel on an enclosure door reduces cabinet depth while providing operators with local processing power and fieldbus connectivity.

The electronics operate from a regulated input of **22-30 VDC**, and the power connector accepts field conductors up to 1.5 mm². When energized, the assembly has a front-side ingress rating of **IP65**, allowing washdown in dusty or humid areas, while the rear section has an IP20 classification for standard cabinet interiors. Continuous operation is supported across an ambient temperature range of **0 to +55 °C**. The panel provides **two USB 2.0 Type A ports** for user-accessible peripheral connections. An internal USB-E bridge transfers data at **480 Mbit/s** through an RJ45-coded receptacle, allowing devices such as cameras or service drives to be connected over cable runs of up to 5 m. The incoming supply uses a 16 A power plug to support fused power distribution.

For dynamic environments, the housing withstands mechanical shocks of **5 G for 30 ms**. It also resists continuous vibration at **10-58 Hz with 0.035 mm displacement and 58-500 Hz at 0.5 G**. The internal DisplayPort replicator supports DDC monitor traffic at a maximum frequency of **50 kHz**, while the DVI interface carries full-resolution video over cable runs as long as **50 m**. A storage temperature range of -25 °C to +65 °C permits transportation or periods of inactivity in unconditioned warehouses. The rear cable-entry area remains accessible

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from inside the cabinet, where the IP20 section protects against accidental contact with internal components.

Specifications

Ddc Transfer Rate:	50 kHz Max	Display size range:	5.7-19 inches	Display technology:	TFT
Dvi Extended Range:	50 m	DVI extension range:	up to 50 m	Front IP rating:	IP65
Front Protection:	IP65	Housing material:	sheet-steel, aluminum front	Max Wire Size:	1.5 mm²
Nominal input voltage:	24 V DC	Operating temp range:	0 °C to 55 °C	Operating Temperature:	0 to +55 °C
Power Plug Rating:	16 A	Power supply connector:	5-pin with strain relief	Rear IP rating:	IP20
Rear Protection:	IP20	Shock Resistance:	5 G, 30 ms	Storage Temperature:	-25 to +65 °C
Supply Voltage:	22-30 VDC	Supported resolutions:	640×480 to 1280×1024	USB extension port:	RJ45, USB 2.0 (480 Mbps)
USB input:	Type B socket, USB 2.0	Usb Input Range:	5 m	USB outputs:	2 x USB 2.0 Type A
Usb-e Connector:	RJ45	Usb-e Data Rate:	480 Mbit/s	Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G
Voltage variation tolerance:	-15% to +20%	Last Verified:	10/24/2026 6:33 AM		

Contact Us

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