

Beckhoff — CP Panel PC Systems

CP6900-0001-0000 **In-Stock, Ships Today**

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The **CP6900-0001-0000** is a panel PC manufactured by Beckhoff for the CP Panel PC Systems series. Integrated into a machine front end, it functions as a human-machine interface. It lets operators monitor processes, issue commands, and connect to PLC hardware through dedicated display and USB extension links on the plant floor.

The unit draws power from a nominal **24 VDC** source, and the pluggable supply plug incorporates **5** pins rated for up to **16 A**. Control-cabinet conductors with cross-sections up to **1.5 mm²** can be landed directly in this connector. A protection class of **Front IP65, Rear IP20** seals the touch panel against dust and low-pressure water jets while allowing the rear electronics to remain in a ventilated enclosure. One DVI-E port supports a single extended input channel for remote visualization, and its extender module maintains signal integrity across the plant. USB wiring on the bezel provides one upstream input and two downstream outputs for local peripherals, while an additional rear port supports service tools over a 5 m cable run.

The visualization layer relies on a **TFT** display that works with a single-touch analog resistive surface to register commands even through gloves. The integrated DVI extender drives video over twisted-pair or fiber lines up to **50 m** without repeaters, enabling the screen to be positioned away from the controller. High-speed peripherals can also be routed through the USB-E channel; this link sustains data throughput of **480 Mbit/s**, follows the **USB 2.0** specification, and preserves signal quality over extension cables rated for the same 50 m limit. One upstream USB-E input complements the standard USB ports so external keyboards, scanners, or storage devices can be used at long distances without hubs or active boosters.

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Specifications

Connection kit lengths:	1 m, 3 m, 5 m, up to 50 m	Display 12" resolution:	800 x 600	Display 15" resolution:	1024 x 768
Display 19" resolution:	1280 x 1024	Display 5.7" resolution:	640 x 480	Display 6.5" resolution:	640 x 480
Display Type:	TFT	Dvi Distance Max:	50 m	DVI extended input:	Port X101
Dvi Extended Inputs:	1	Enclosure:	Full-height for control cabinet installation	Housing material:	Sheet-steel housing, aluminum front
Manufacturer:	Beckhoff Automation	Max Wire Cross-section:	1.5 mm²	Minimum operating voltage:	22 V at plug
Nominal Supply Voltage:	24 VDC	Panel/key configuration:	None, numeric or alphanumeric keypad	Power connector:	Port X106
Power Connector Pins:	5	Power Connector Rating:	16 A	Power supply:	24 VDC (22-30 VDC), NEC class 2, 16 A
Protection rating:	Front IP65, Rear IP20	Touch interface:	Single-touch display	Touch Type:	Single-Touch
Usb Input Distance Max:	5 m	Usb Inputs:	1	Usb Outputs:	2
USB ports:	Ext input X102; input X103; output X104, X105	Usb Standard:	2.0	Usb-e Data Rate:	480 Mbit/s
Usb-e Distance Max:	50 m	Usb-e Inputs:	1	Vibration resistance:	10-58Hz @0.035mm; 58-500Hz @0.5G (EN60068-2-6)
Last Verified:	10/25/2026 5:01 PM				

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Shipping Options



Payment Methods



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