

Beckhoff — CP Panel PC Systems

CP7811-0001-0010 **In-Stock, Ships Today**

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The **CP7811-0001-0010** is a panel PC manufactured by Beckhoff within the CP Panel PC Systems series. Designed for mounting on machinery, the unit combines visualization and control functions in one enclosure to simplify industrial automation tasks such as recipe entry, status monitoring, and parameter adjustment. By integrating its screen, motherboard, and sealed field connectors, the device minimizes cabinet wiring and provides a compact front end for PLC-driven equipment.

The operator interface uses a **TFT** panel that presents clear graphics under factory lighting. Video is transmitted through a **19-pin M16** connector that carries a digital DVI-D signal to remote monitor electronics without analog degradation. Control power is supplied at **24 VDC** through a keyed **4-pin M12** plug, making the device compatible with standard field wiring. The milled aluminum housing acts as a heat sink while keeping the overall mass low. All external surfaces have an **IP65** ingress protection rating, allowing the unit to tolerate washdown cleaning. Continuous operation is permitted from 0 °C to **55 °C**, and the electronics remain stable at ambient relative humidity levels as high as 95%. A 5-pin M9 receptacle provides access to the internal USB host, follows the USB 1.1 standard, and supports low-speed peripherals.

The PC can be stored at temperatures ranging from **-20 °C** to 65 °C without component damage. It tolerates transport shocks of **5 G for 30 ms**, helping protect the display stack and circuit boards during shipping or panel installation. When a keyboard, barcode reader, or memory stick is connected, the USB port transfers data at a maximum rate of **12 Mbps**, matching the bandwidth of the USB 1.1 interface. The sealed connectors support direct

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field wiring while helping prevent dust and moisture from reaching internal connections. The integrated display and control hardware reduce the number of separate components required at the machine interface.

Specifications

Ambient Storage Temperature:	-20 °C to +65 °C	Connection Type:	DVI-D digital video interface	Display Type:	TFT
Dvi Connector:	19-pin M16	Dvi Signal:	DVI-D	EMC Emission:	EN 61000-6-4
EMC Immunity:	EN 61000-6-2	Housing Material:	Aluminum	Impact Resistance:	5 G (50 m/s²), 30 ms
Material:	Aluminum housing	Max Operating Temp:	55 °C	Max Relative Humidity:	95%
Max Storage Temp:	65 °C	Min Operating Temp:	0 °C	Min Storage Temp:	-20 °C
Nominal Supply Voltage:	24 VDC	Operating Temperature:	0 °C to +55 °C	Power Connector:	4-pin M12
Power Consumption (12 in):	14 W	Power Consumption (15 in):	25 W	Power Consumption (19 in):	32 W
Power Consumption (6.5 in):	10 W	Power Supply:	24 V DC (20.4-28.8 V DC)	Protection Class:	IP65
Protection Rating:	IP65 (panel & connectors)	Safety Standards:	UL 60950-1; CSA C22.2 No. 60950-1-03	Screen Type:	TFT display; optional touch screen/pad
Shock Profile:	5 G, 30 ms	Usb Connector:	5-pin M9	USB Interface:	USB 1.1 (1.5/12 Mbps)
Usb Max Data Rate:	12 Mbps	Usb Standard:	USB 1.1	Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G
Last Verified:	10/25/2026 10:56 AM				

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Shipping Options



Payment Methods



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