

## Beckhoff — CP Panel PC Systems

**CP7800-0001-0010** **In-Stock, Ships Today**

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The **CP7800-0001-0010** is a Panel PC assembled by Beckhoff for the CP Panel PC Systems series. It integrates an industrial display, processing electronics, and field-ready I/O in a single enclosure, allowing it to run HMI, data-logging, and soft-PLC tasks directly on the machine. Power is applied through a four-pole M12 connector. The aluminum housing is sealed against dust and washdown fluids, enabling installation on factory lines and process skids without an additional cabinet.

The computer operates from a **24 VDC** supply, and this low-voltage input simplifies wiring inside control panels. Visual output leaves the housing through a **DVI-D** interface that connects to the display through a 19-pole M16 DVI connector, preserving signal integrity over industrial cable lengths. The front has an **IP65** rating that prevents water jets, oil spray, and dust from reaching internal components. Removable media and service tools connect through one port that supports the **USB 1.1** standard. Its differential signaling provides a sustained throughput of **12 Mbps** through the five-pole M9 receptacle. During transport or operation, the chassis tolerates sinusoidal vibration amplitudes of 0.035 mm from 10 Hz to 58 Hz. Wiring lugs and conformal coatings provide protection against condensation and airborne contaminants.

The CP7800 is rated for continuous operation at ambient temperatures up to **55 °C**. It remains functional at relative humidity levels as high as **95% RH** and can be stored between -20 °C and +65 °C without loss of performance. The enclosure withstands shocks of up to **5 G** for 30 ms, helping protect the internal electronics from brief impacts and machine movement. It also complies with random vibration levels reaching **0.5 G** across a frequency range of 58 Hz

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to 500 Hz. These operating limits support use around machine-tool pulses, mobile equipment jolts, and changing temperatures while the DVI and USB communication links remain active.

## Specifications

|                                   |                    |                                  |              |                   |               |
|-----------------------------------|--------------------|----------------------------------|--------------|-------------------|---------------|
| Connector Plug Protection Rating: | IP65               | Control Panel Protection Rating: | IP65         | Display Size:     | 10.4 inch     |
| Dvi Connector:                    | 19-pole M16        | Interface:                       | DVI, USB     | Keyboard:         | No            |
| Max Ambient Temp:                 | 55 °C              | Max Humidity:                    | 95% RH       | Max Storage Temp: | +65 °C        |
| Min Storage Temp:                 | -20 °C             | Operating Temperature:           | "0 to 55 0C" | Power Connector:  | 4-pole M12    |
| Protection Class:                 | IP65               | Shock Duration:                  | 30 ms        | Shock Resistance: | 5 G           |
| Supply Voltage:                   | 24 VDC             | Touch Technology:                | Yes          | Type:             | Control panel |
| Usb Connector:                    | 5-pole M9          | Usb Max Data Rate:               | 12 Mbps      | Usb Standard:     | USB 1.1       |
| Vibration 10-58 Hz:               | 0.035 mm           | Vibration 58-500 Hz:             | 0.5 G        | Video Interface:  | DVI-D         |
| Last Verified:                    | 10/24/2026 7:46 AM |                                  |              |                   |               |

## Contact Us

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### Shipping Options



### Payment Methods



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