

Beckhoff — CP Panel PC Systems

CP7832-1138-0010 **In-Stock, Ships Today**

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The **CP7832-1138-0010** is a panel-mounted industrial computer produced by Beckhoff for the CP Panel PC Systems series. It combines a touch display, motherboard, and I/O in one enclosure, allowing the device to run visualization software, collect machine data, and host fieldbus drivers at the machine front end. By combining PC performance with protection suited for factory environments, the product eliminates the need for a separate cabinet HMI and allows operators to access control functions directly from the production floor.

The housing is sealed to **IP65**, so dust and water jets cannot reach the electronics or display bezel. Power is supplied by a regulated **24 VDC** source that can be shared with other low-voltage controls. Reliable operation is supported at temperatures between 0 °C and **55 °C**, while the allowable relative humidity reaches **95%** without condensation. The unit withstands shocks up to **5 G** for 11 ms half-sine pulses. It also tolerates vibration amplitudes of 0.035 mm from 10 to 58 Hz and acceleration of 0.5 G from 58 to 500 Hz, allowing operation near stamping presses or high-speed packaging machines. Storage temperatures range from -20 °C to 65 °C, permitting the unit to be stored in unconditioned facilities when it is not in use.

A **19-pin M16** connector carries the digital video signal provided through a **DVI-D** interface, enabling direct connections to remote monitors or KVM extenders. One front-accessible USB 1.1 port uses a 5-pin M9 receptacle and supports data transfer rates up to **12 Mbps** for compatible peripherals or memory devices. The incoming power connection uses a threaded **4-pin M12** connector that helps prevent accidental disconnection during machine operation. These interfaces provide secure connections for power, video output, and front-panel USB access in

industrial installations.

Specifications

Atmospheric Humidity:	Maximum 95%, non-condensing	Cleaning Instructions:	Only clean with a soft, damp cloth; no abrasive materials	Control Panel Rating:	IP65
Display Type:	TFT display	Dvi Connector:	19-pin M16	Dvi Interface:	DVI-D
Emc Emission Of Interference:	Compliant with EN 61000-6-4	Emc Resistance To Interference:	Compliant with EN 61000-6-2	Environmental Temperature Range:	0 to 55 °C
Impact Resistance:	5 G (~50 m/s²), duration: 30 ms	Interface Type:	DVI-D for video signal	Max Operating Temp:	55 °C
Max Relative Humidity:	95%	Max Storage Temp:	65 °C	Max Usb Data Rate:	12 Mbps
Min Operating Temp:	0 °C	Min Storage Temp:	-20 °C	Power Connector:	4-pin M12
Power Supply Voltage:	24 VDC (20.4 - 28.8 VDC)	Protection Class:	IP65 for control panel and connector plug	Protective Earthing:	Low-resistance earthing connection at housing's rear
Shock Resistance:	5 G	Storage Temperature:	-20°C to +65°C	Supply Voltage:	24 VDC
Usb Connector:	5-pin M9	Usb Interface:	USB 1.1, maximum data rate of 1.5 or 12 Mbps	Usb Standard:	USB 1.1
Vibration 10-58 Hz:	0.035 mm	Vibration 58-500 Hz:	0.5 G	Last Verified:	10/25/2026 2:11 AM

Contact Us

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