

Beckhoff — CP Panel PC Systems

CP2212-0000 **In-Stock, Ships Today**

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The **CP2212-0000** is a fanless panel PC manufactured by Beckhoff for the CP Panel PC Systems series. It combines an industrial touchscreen, embedded computing hardware, and field I/O interfaces in one front-mounted assembly that can be installed directly on production equipment. As a panel PC, it executes visualization, control, and data collection tasks locally, reducing traffic on higher-level networks while giving machine operators real-time feedback through its multi-touch capacitive display.

This unit operates from a nominal supply of **24 VDC**, so it can be powered from the same low-voltage rail that feeds sensors and actuators. A compact **3.5-inch** motherboard minimizes enclosure depth while accommodating standard x86 processors. The glass front carries an **IP65** rating that protects against dust and low-pressure water jets, while the aluminum housing dissipates heat without external fans. The overall mass is **5.2 kg**, making the unit suitable for VESA arm mounting while providing enough weight to help damp vibration. System security relies on an integrated **fTPM 2.0** module that stores keys and certificates in hardware. For mechanical integrity, the electronics withstand a continuous shock load of **5 G**; momentary shock events lasting up to 30 ms are absorbed without component displacement or data loss.

The PC faceplate provides **4 USB ports** for service drives or local peripherals, and network integration is available through **2 Ethernet ports** that support separate control and diagnostic channels. A single **DVI port** allows connection of a remote monitor during setup, while the rear panel provides one RS-232 socket for legacy devices. Operation remains stable at up to 95% relative humidity, and rear protection rated at IP20 is suitable for dry cabinet

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interiors. The separate network channels allow control traffic to remain isolated from diagnostic communication, while the local display and peripheral connections support direct interaction with machine processes.

Specifications

Degree Of Protection (front):	IP65	Degree Of Protection (rear):	IP20	Display Size Options:	Displays from 12-inch to 24-inch supported
Dvi Ports:	1	Emc Emission:	Conforms to EN 61000-6-4	Emc Interference Immunity:	Conforms to EN 61000-6-2
Ethernet Ports:	2	Front Material:	Glass	Front Protection:	IP65
Housing Material:	Aluminum	Ip65 Front Material:	Aluminum front/glass touch	Max Humidity:	95%
Motherboard Size:	3.5-inch	Nominal Supply:	24 VDC	Permissible Humidity:	Maximum 95%, non-condensing
Permissible Operating Temperature:	0°C to 55°C	Permissible Storage Temperature:	-25°C to 65°C	Power Consumption:	58 watts
Rear Protection:	IP20	Rs232 Ports:	1	Secure Element:	fTPM 2.0
Shock Duration:	30 ms	Shock Resistance:	5 G	Supply Voltage:	20.4-30 VDC (24 VDC nominal)
Touchscreen Type:	Multi-Finger	Usb Ports:	4	Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5G
Weight:	5.2 kg	Last Verified:	10/23/2026 5:47 PM		

Contact Us

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