

Beckhoff — CP Panel PC Systems

CP7223-0002-0000 **In-Stock, Ships Today**

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The **CP7223-0002-0000** is a Panel PC manufactured by Beckhoff in the CP Panel PC Systems series. The unit combines a touch display, an x86 processing board, and field-level connectors in a single enclosure for machine supervision, data acquisition, and on-device control tasks. By hosting the human-machine interface and real-time software locally, it shortens signal paths between sensors, actuators, and the operator, simplifying cabinet design and reducing latency in automated production cells.

The sealed front panel has an **IP65** rating, so dust and low-pressure water jets cannot enter the electronics. The computer runs from a **24 VDC** supply delivered through 1.5 mm² power leads, while a dedicated 4 mm² ground conductor diverts fault current. Internally, a **3.5-inch** motherboard holds industrial-temperature components and accepts high-speed **DDR4** memory. Mass storage is provided by a **2.5-inch hard disk or SSD** bay that supports hot-swapping during field service. Network access is handled by one Gigabit controller connected to an **RJ45 push-pull** jack. The port supports a single Ethernet segment up to 100 m, allowing the panel to be mounted far from a switch without repeaters. This basic Ethernet channel can carry PLC communications, camera streams, or remote diagnostic data.

Hardware security is provided by an activated **fTPM 2.0** module that stores cryptographic keys for signed boot processes and file encryption. The unit withstands shocks up to **5 G** during a 30 ms half-sine pulse, supporting operation in mobile or impact-prone installations. Its continuous vibration tolerance reaches **0.5 G** at a displacement of 0.035 mm, allowing the panel to operate on presses, conveyors, and machining centers without

data errors or connector fatigue. These resistance levels help protect storage devices, internal circuit boards, and external connections from the mechanical forces commonly present around moving industrial equipment.

Specifications

Basic Ethernet Port Count:	1	Certifications:	CE, EAC, UKCA, FCC	Communication Protocol:	Determined by option model (specific protocol dependent on variant)
Dimensions:	Standard option card size (refer to Unidrive M700 documentation)	Environmental Protection:	Conforms to drive's enclosure and IP rating	Ethernet Cable Max Length:	100 m
Ethernet Connector:	RJ45 Push-Pull	Ground Conductor Area:	4 mm ²	Humidity Tolerance:	95% relative humidity
Motherboard Form Factor:	3.5-inch	Mounting Type:	Plug-in	Operating Temperature:	-10°C to +40°C
Operating Voltage:	Supplies power via drive (no separate supply required)	Power Cable Area:	1.5 mm ²	Power Supply Type:	24 VDC
Protection Rating:	IP65	Ram Type:	DDR4	Screen Size:	12 inches
Secure Element:	fTPM 2.0 Activated	Shock Duration:	30 ms	Shock Resistance:	5 G
Status Indication:	LED indicator on module	Storage Form Factor:	2.5-inch Hard Disk/SSD	Vibration Acceleration:	0.5 G
Vibration Displacement:	0.035 mm	Weight:	Approximately 50g	Last Verified:	10/24/2026 12:11 AM

Contact Us

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