

Beckhoff — CP Panel PC Systems

CP7233-0002-0030 **In-Stock, Ships Today**

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The **CP7233-0002-0030** is a Panel PC produced by Beckhoff as part of the CP Panel PC Systems series. It merges processing hardware, a display, and fieldbus connections in one sealed housing, allowing PLC logic, HMI screens, and data acquisition to run at the machine level without a separate cabinet computer. Designed for mounting on the front of an enclosure, the unit gives operators direct control while its internal architecture supports deterministic EtherCAT and standard Ethernet traffic in industrial automation cells.

Connectivity is provided through a **Push-Pull RJ45** interface that locks with a bayonet motion and supports segment lengths up to **100 m**. The system draws power from a **24 VDC** source; Beckhoff recommends a 1.5 mm² supply conductor and a 4 mm² protective ground to limit voltage drop and touch potential. A front rating of **IP65** protects the electronics against dust and water jets, with continuous operation permitted at the 95% relative humidity limit. Inside, a 3.5-inch motherboard hosts **DDR4** memory modules, giving the controller ample bandwidth for motion commands and visualization tasks. During installation, the bezel is secured with screws tightened to 3 Nm so the gasket maintains uniform compression around the perimeter.

A dedicated **fTPM 2.0** chip stores cryptographic keys for license files and encrypted field protocols. This hardware-based security supports authenticated startup and protects credentials without relying solely on software controls. The enclosure withstands **5 G** acceleration for **30 ms** without functional interruption. Storage is handled through a single bay that accommodates a **2.5-inch HDD/SSD**. This arrangement reduces internal heat generation and limits vibration paths around the installed drive. The storage device can hold operating system files, application data, and

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production logs locally.

Specifications

Display Size 12-inch:	800x600 (4:3)	Display Size 15-inch:	1024x768 (4:3)	Display Size 19-inch:	1280x1024 (5:4)
EMC Emission:	EN 61000-6-4	EMC Immunity:	EN 61000-6-2	Ethernet Interface:	Push-Pull RJ45
Ground Conductor:	4 mm ²	Humidity Limit:	95%	Max Ethernet Length:	100 m
Memory:	DDR4	Motherboard Form Factor:	3.5-inch	Motherboard Size:	3.5-inch
Mounting Screw Torque:	3 Nm	Operating Temperature:	0 °C to +45 °C	Optional Interfaces:	RS232, USB 2.0 (IP65)
Power Cable Cross-section:	1.5 mm ²	Power Supply:	24 VDC	Processor:	Intel
Protection Rating:	IP65	Ram Type:	DDR4	Relative Humidity:	<=95%, non-condensing
Secure Element:	fTPM 2.0	Shock Duration:	30 ms	Shock Resistance:	5 G
Standard Interfaces:	Power input, Ethernet RJ45	Storage Form Factor:	2.5-inch HDD/SSD	Storage Slot:	1 × 2.5-inch HDD/SSD
Storage Slot Count:	1	Storage Temperature:	-20 °C to +65 °C	Supply Voltage:	22-30 VDC
Vibration Resistance:	10-58 Hz:0.035 mm;58-500 Hz:0.5 G (EN 60068-2-6)	Last Verified:	10/23/2026 11:43 PM		

Contact Us

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Shipping Options



Payment Methods



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