

Beckhoff — CP Panel PC Systems

CP7232-0002-0020 **In-Stock, Ships Today**

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The **CP7232-0002-0020** industrial panel PC is produced by Beckhoff within the CP Panel PC Systems series. Serving as an HMI and control node in distributed automation architectures, the unit combines a computer-grade motherboard with an integrated display so machine operators can issue commands directly at the equipment. A mounting-arm housing allows the hardware to be positioned at ergonomic working points, while its sealed design protects internal electronics during continuous plant operation.

Networking is provided through a single **RJ45 Ethernet port** that supports standard 10/100/1000BASE-T cabling; this hardware simplifies integration with controllers or switches. The system uses **DDR4 RAM**, delivering the bandwidth required for visualization tasks and recipe changes. Cabling distances of up to **100 m** are permitted between the PC and the next network device, matching the maximum segment length for copper Ethernet. The electronics accept a power supply of **22-30 VDC**, allowing the panel to share the low-voltage supply rails used by many field I/O modules. Thermal management is passive, and reliable operation is supported from **0 to +45 °C**, so cabinet air conditioning is unnecessary when ambient conditions remain within this range.

The aluminum enclosure carries an **IP65 rating on all front surfaces**, preventing dust ingress and water-jet penetration when the unit is secured to the machine with its mounting arm. The unit withstands shocks of up to **5 G for 30 ms**, helping the display remain functional during incidental impacts such as those associated with tool changes. Continuous exposure to plant vibration is accommodated by a tolerance of **0.035 mm from 10 to 58 Hz and 0.5 G from 58 to 500 Hz**, helping protect solder joints and connectors on the compact 3.5-inch motherboard.

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A removable drive slot accepts **one 2.5-inch HDD or SSD**, allowing solid-state storage to be used in high-shock environments or a traditional hard drive to be installed when greater capacity is needed without enlarging the operator interface footprint.

Specifications

CPU type:	Intel processor	Display 12-inch:	800×600	Display 15-inch:	1024×768
Display 19-inch:	1280×1024	EMC emission standard:	EN 61000-6-4	EMC immunity standard:	EN 61000-6-2
Ethernet Interface:	1 x RJ45	Main Memory Type:	DDR4-RAM	Mass storage:	2.5-inch HDD/SSD
Max Ethernet Length:	100 m	Motherboard size:	3.5-inch	Mounting Type:	Mounting Arm
Operating humidity:	Up to 95% RH, non-condensing	Operating Interface:	Touch Screen	Operating temperature:	0 to +45 °C
Protection rating:	IP65	RAM type:	DDR4	Secure element:	fTPM 2.0
Shock resistance:	5 G, 30 ms	Storage Bay:	1 x 2.5-inch HDD/SSD	Storage temperature:	-20 to +65 °C
Supply voltage:	22-30 VDC	Vibration resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G	Last Verified:	10/26/2026 5:25 AM

Contact Us

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