

Beckhoff — CP Panel PC Systems

CP7702-1420-0040 **In-Stock, Ships Today**

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The **CP7702-1420-0040** is a panel PC produced by Beckhoff in the CP Panel PC Systems series. It combines an industrial touchscreen, an embedded CPU, and the required I/O inside a sealed housing, allowing the operator interface and control logic to be mounted directly on machinery. By integrating computing power at the point of use, the unit eliminates long video or keyboard extensions and shortens real-time feedback loops in automated lines, packaging cells, and process skids.

Electrical integration centers on a supply range of **22 to 30 VDC** that enters through a **4-pin M12 connector**; pin 1 delivers 24 V, while pin 3 provides the ground connection. Preassembled cables with conductor sizes up to 1.5 mm² can be used without ferrules, reducing the wiring required inside the panel. Networking is handled by **two RJ45 sockets** that automatically negotiate at **100/1000 Mbit/s**, allowing the panel to link directly to EtherCAT, Modbus TCP, or standard IT segments. One RS-232 port is provided for barcode readers or PLC maintenance connections. Mechanical attachment uses four M6 × 18 mm threaded holes on the rear plate. The front, sides, and connectors provide **IP65 protection**, allowing installation in washdown or dusty areas without an additional enclosure.

The electronics operate reliably from **0 to +45 °C**, and the panel can be stored from -25 °C to +65 °C when powered down. It endures vibration loads of 10-58 Hz at a peak displacement of 0.035 mm and 58-500 Hz at an acceleration of 0.5 G. The unit withstands shocks of up to **5 G for 30 ms** without functional loss. Radiated and conducted emissions comply with **EN 61000-6-4**, while immunity to electromagnetic disturbances complies with

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EN 61000-6-2, allowing the device to share cabinets with drives and contactors.

Specifications

Display Sizes:	12" (800x600), 15" (1024x768), 19" (1280x1024)	EMC Emission:	EN 61000-6-4	EMC Immunity:	EN 61000-6-2
Ethernet Ports:	2 x RJ45	Ethernet Speed:	100/1000 Mbit/s	Ingress Protection:	IP65
Interfaces:	RS232 (X100); PS (X101); Ethernet RJ45 (X102, X103)	Model:	CP77xx	Mounting Holes:	4 x M6 x 18 mm
Operating Temp:	0°C to 45°C	Operating Temperature:	0 to +45 °C	Pin Assignment:	1: 24 V; 2: NC; 3: Ground; 4: NC
Power Connector:	4-pin M12	Power Pins:	Pin 1: 24 V; Pin 3: GND	Processor & Memory:	Intel® processor; DDR4 RAM
Protection Rating:	IP65	Relative Humidity:	Max 95% (non-condensing)	Serial Port:	1 x RS232
Shock Resistance:	5 G, 30 ms	Storage Temp:	-25°C to 65°C	Storage Temperature:	-25 to +65 °C
Supply Voltage:	22-30 VDC	Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G	Wire Cross-section Max:	1.5 mm²
Last Verified:	10/24/2026 10:56 PM				

Contact Us

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Shipping Options



Payment Methods



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