

Beckhoff — CP Panel PC Systems

CP6700-0001-0050 **In-Stock, Ships Today**

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The **CP6700-0001-0050** is a compact Panel PC manufactured by Beckhoff for the CP Panel PC Systems series. It integrates an ARM-based processor, display electronics, and field wiring into one enclosure so the unit can serve simultaneously as a PLC platform and human-machine interface in automated cells. When installed on a control cabinet door, the panel allows operators to issue commands, view status screens, and log process data without adding a separate industrial computer, reducing wiring and the required footprint in packaging, material-handling, or assembly equipment.

The embedded power stage runs from a nominal **24 V DC** source and accepts up to 8 A through a pluggable connector, matching the low-voltage supplies already present in most machines. Two Ethernet sockets configured as **2 × RJ45** are driven by an Intel i210 controller; they support link speeds of **100/1000 Mbit/s** for deterministic EtherCAT control and standard TCP/IP networking over cable lengths of up to 100 m. Four high-speed device connections are provided by **4 × USB 2.0** ports, each capable of supplying **500 mA** to barcode scanners, USB flash drives, or UPS adapters. An external monitor or large-format operator station can be added through the **1 × DVI** graphics interface, enabling mirrored or extended visualization without additional graphics hardware. A single CFast slot on the mainboard accommodates solid-state storage so operating system images can be exchanged quickly during maintenance.

Main memory is soldered **DDR3L RAM**, a low-voltage memory type that minimizes heat inside the enclosure. The aluminum rear panel has an **IP20** protection rating, indicating that ventilation openings are present and that the

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device must remain inside a cabinet for protection from exposure; internal components can withstand 5 G shocks and 95% relative humidity during operation. Field wiring for the 24-volt feed can use conductors up to 1.5 mm², and the complete assembly weighs only **1.8 kg**, easing installation on lightweight machine doors or swing arms.

Specifications

Ambient temperature:	0 to 55°C	Cfast Slots:	1	Dvi Output:	1 x DVI
Ethernet Controller:	Intel i210 (MAC/PHY)	Ethernet Ports:	2 x RJ45	Ethernet Speed:	100/1000 Mbit/s
Humidity (non-condensing):	up to 95%	Impact resistance:	5 G (50 m/s²), 30 ms	Main Memory Type:	DDR3L-RAM
Max Ethernet Cable:	100 m	Max Relative Humidity:	95%	Max Wire Cross-section:	1.5 mm²
Network interface:	Ethernet RJ-45 (10/100 Mbit)	Nominal Voltage:	24 V DC	Outdoor operation:	not allowed
Power Connector Rating:	8 A	Power consumption (12´´):	27 W	Power consumption (15´´):	38 W
Power consumption (19´´):	45 W	Power consumption (6.5´´):	23 W	Protection front:	IP65
Protection rear:	IP20	Rear Protection Rating:	IP20	Serial interface:	COM1 D-SUB 9-pin RS-232
Shock Resistance:	5 G	Storage temperature:	-20 to +65°C	Supply voltage:	24 VDC (20.4-28.8 VDC)
USB interface:	2× USB 2.0 Type-A	Usb Port Current:	500 mA	Usb Ports:	4 x USB 2.0
Vibration resistance (10-58 Hz):	0.035 mm amplitude	Vibration resistance (58-500 Hz):	0.5 G (5 m/s²)	Weight:	1.8 kg
Last Verified:	10/25/2026 6:16 AM				

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Shipping Options



Payment Methods



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