

Beckhoff — CP Panel PC Systems

CP6829-0001-0000 **In-Stock, Ships Today**

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The **CP6829-0001-0000** is a panel PC engineered by Beckhoff for the CP Panel PC Systems series. Designed for machine-level automation, the device combines a color display, touch sensing, and PC-based control hardware behind a sealed front plate. When mounted in the operator console, it provides the human-machine interface that operators use to visualize process variables, acknowledge alarms, and launch service routines. Its compact footprint supports tight cabinet layouts commonly found in packaging, assembly, and material-handling equipment.

The operator panel presents all process information on a **6.5-inch** display that uses **TFT** technology for clear color rendering across wide viewing angles. Its native resolution is **640 × 480**, which aligns with most SCADA screen templates without scaling. A resistive touch screen overlays the panel so menu items can be selected with gloved fingers, and a numeric keyboard is positioned directly below it for setpoint entry. The aluminum front face has a protection class of **IP65**, preventing water jets and fine dust from entering the electronics during washdown or maintenance. All internal logic, backlight drivers, and special keys draw power from a single **24 VDC** supply, simplifying field wiring in 24-volt control cabinets.

The rear housing has a protection rating of **IP20** and integrates **two USB ports** for data logging, keyboard connections, or service dongles. External monitors or peripheral devices connect through the **DVI/USB** interface. Internal expansion is supported by **three backplane connectors** that accommodate fieldbus or additional I/O cards. The enclosure is intended for built-in installation and clamps to the back of the panel cutout without external brackets. Ten PLC special keys are LED-illuminated and accept slide-in labels so their functions can be reassigned

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during machine retrofits.

Specifications

Backplane Connectors:	3	Display Resolution:	640 x 480	Display Size:	6.5 in
Display Type:	TFT	Front Protection:	IP65	Front Protection Rating:	IP65
Housing Material:	Aluminium	Interface:	DVI/USB	Interface Type:	DVI/USB
Key Labels:	Slide-In Labels	Keyboard:	Numeric	Keyboard Support:	Optional
Keyboard Type:	Numeric Keyboard	Mounting Design:	Compact, fits into cabinet fronts	Mounting Type:	Built-In
Plc Special Keys:	10	Power Supply Range:	20.4 to 28.8 V DC	Power Supply Voltage:	24 V DC
Rear Protection:	IP20	Rear Protection Rating:	IP20	Resolution:	640 x 480
Screen Input:	Touch Screen	Special Key Lighting:	LED	Supply Voltage:	24 VDC
Touch Screen:	Included	Touchscreen Support:	Optional	Usb Ports:	2
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Contact Us

-  1620 Old Apex Road, Cary, NC 27513, USA
-  **Toll Free:** [1-888-551-3082](tel:1-888-551-3082)
-  **International:** [1-919-443-0207](tel:1-919-443-0207)
-  **Fax:** [1-919-867-6204](tel:1-919-867-6204)
-  **Email:** sales@wakeindustrial.com

Shipping Options



Payment Methods



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