

Beckhoff — CP Panel PC Systems

CP2299-0020 **In-Stock, Ships Today**

- ☒ Get a Quote in 5 minutes
- ☒ Parts ship in as little as 24 hours
- ☒ Up to half the cost of the manufacturer

**Secure Online**
Checkout**Free Ground**
Shipping**One Year**
Warranty

The **CP2299-0020** is a fanless panel PC produced by Beckhoff within the CP Panel PC Systems series. Designed for cabinet-front installation, the unit combines an industrial touchscreen with an integrated motherboard to run TwinCAT or other real-time control software. When mounted on a machine line, it acts as the central human-machine interface and compact industrial PC, bridging fieldbuses, higher-level networks, and onboard storage so that automation sequences and diagnostic data can be processed locally without a separate computer.

Protection on the display side is rated at **IP65**, allowing direct exposure to washdown spray while the rear remains inside the enclosure. The electronics operate from a nominal supply of **24 VDC** and are installed on a 3.5-inch motherboard that accepts one 2.5-inch drive and a single CFast card for operating system images or recipe files. Network connectivity is handled by **two independent Gigabit ports**; the first uses an **Intel i219** controller, and the second uses an **Intel i210** controller, providing hardware separation for the machine and plant networks. A UPS interface delivers 27 VDC at 2.5 A so the panel can shut down properly during a power loss, and the pluggable connector accommodates conductors up to 1.5 mm².

The rear panel has an **IP20 rating**, making the unit suitable for protected cabinet interiors where foreign objects larger than 12 mm are excluded. The panel provides **four USB 3.0 ports** for service tools, barcode scanners, and mass-storage devices, while Ethernet cable runs can extend up to **100 m** under Cat 5e limits. Security is supported by the integrated **fTPM 2.0 module**, which safeguards encryption keys for drive images and PLC licenses. The power plug is rated for 16 A, and the available terminal space allows wiring to be routed alongside digital I/O

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

harnesses.

Specifications

2.5-inch Drive Slots:	1	Bore Size:	20 mm	Cfast Slots:	1
Dynamic Balancing:	Yes	Ethernet Port Count:	2	Finish:	Polished
Front Protection:	IP65	Lan1 Controller:	Intel i219	Lan2 Controller:	Intel i210
Length:	60 mm	Material:	Stainless Steel	Max Ethernet Length:	100 m
Max Speed:	5000 RPM	Max Wire Cross-section:	1.5 mm²	Motherboard Size:	3.5-inch
Mounting Style:	Clamping	Nominal Voltage:	24 VDC	Outer Diameter:	40 mm
Power Plug Rating:	16 A	Rear Protection:	IP20	Rohs Compliance:	Yes
Secure Element:	fTPM 2.0	Set Screw Included:	Yes	Temperature Range:	-20°C to +100°C
Torque Capacity:	80 Nm	Type:	Coupling	Ups Output Current:	2.5 A
Ups Output Voltage:	27 VDC	Usb Port Count:	4	Weight:	0.9 kg
Last Verified:	10/24/2026 12:57 AM				

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



Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.