

Beckhoff — CP Panel PC Systems

CP2912-0010 **In-Stock, Ships Today**

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The **CP2912-0010** is an operator terminal produced by Beckhoff within the CP Panel PC Systems series. Intended for machine-level human-machine interaction, it combines a display, processing electronics, and touch input in a single enclosure, allowing operators to view and adjust process parameters directly on the factory floor. Its sealed glass front and slim rear section allow the unit to function as the primary interface between PLC software and plant personnel in industrial automation.

Communication with a remote control cabinet is handled through a CP-Link interface that terminates at an **RJ45** port; this single cable transports video, USB, and power signals. The link supports panel placement up to **100 m** from the host industrial PC without signal boosters, and its dedicated USB channel sustains data rates of **100 Mbit/s**, allowing local peripherals such as scanners or memory sticks to operate transparently. Operation on the plant floor is aided by a glass front with an **IP65** ingress protection rating, shielding the display against dust and low-pressure water jets. The electronics are seated in an **aluminum rear housing**, which acts as a heat sink while keeping the overall weight at 3.0 kg. Two rear USB 2.0 ports provide service access, and the rear has IP20 protection when the panel is mounted inside a switchgear door.

The unit tolerates ambient moisture up to **95%** relative humidity without condensation, and a shock rating of **5 G** covers incidental impacts during door closure or transport. A nominal supply of **24 VDC** feeds the electronics through a five-pin voltage socket. Conductors up to 1.5 mm² can be clamped, and the mating plug is rated for **16 A**, allowing the wiring to carry inrush current safely. Separation between the sealed front and the ventilated rear allows

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the enclosure requirements for the machine face and cabinet interior to be met independently.

Specifications

Connection Technology:	CP-Link 4 connection technology	Cp-link 4 Input:	Supports up to 100 m distance via specified cable	Cp-link Connector:	RJ45
Cp-link Max Distance:	100 m	Cp-link Usb Rate:	100 Mbit/s	Design:	Multitouch built-in Control Panel with CP-Link 4
Display:	12 inch display 800 x 600 aluminum housing with glass front	Front Material:	Glass	Front Protection:	IP65
Housing Material:	Aluminum	Lcd Display Sizes:	Various, including 12-inch with resolution of 1280x800	Max Relative Humidity:	95%
Max Wire Size:	1.5 mm²	Maximum Ambient Temperature (operation):	0 °C to +50 °C	Nominal Input Voltage:	24 VDC
Operating Environment:	Designed for industrial applications in control cabinet installation	Power Connector:	5-pin Voltage Socket	Power Plug Rating:	16 A
Product Designation:	CP2912	Protection Class:	Front IP65, rear IP20	Rear Protection:	IP20
Screen Type:	Single-finger touch screen	Shock Resistance:	5 G	Storage Temperature:	-20 °C to +65 °C
Supply Voltage:	24 VDC	Usb Ports:	2	Usb Standard:	USB 2.0
USB Support:	Two USB 2.0 outputs (X102, X103)	Weight:	3.0 kg	Last Verified:	10/24/2026 9:34 AM

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Shipping Options



Payment Methods



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