

Beckhoff — CP Panel PC Systems

CP3919-0010 **In-Stock, Ships Today**

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The **CP3919-0010** is an industrial panel PC manufactured by Beckhoff for the CP Panel PC Systems series. It integrates a 19-inch display, controller, and projected-capacitive touch layer into one unit intended for direct machine installation. A scratch-resistant glass front forms the user surface, while a milled aluminum housing provides structural strength and heat dissipation without external fans. By combining processing power, visualization, and touch input in a single sealed device, the unit simplifies cabinet layouts and shortens cable runs in distributed automation cells.

The computer is supplied with a nominal input of **24 VDC** and continues to operate down to **22 VDC** measured at the supply plug, allowing for voltage drops along long cable runs. The M12 power connector permits a maximum current draw of **16 A** and accepts up to four 0.75 mm² conductors terminated in a 4-pin M12 socket. The enclosure has an **IP65** protection rating, resisting dust and low-pressure water jets. It maintains full functionality in ambient humidity up to **95%** under noncondensing conditions. Conducted and radiated emissions comply with EN 61000-6-4 limits, while immunity to industrial interference complies with EN 61000-6-2.

Graphics, USB, and control data can be transmitted over Beckhoff's CP-Link channel for distances up to **100 m**, supporting both stationary and articulated mounting arrangements. The connection uses an **8-pin M12 socket** on the rear panel, while the separate 4-pin power inlet keeps power wiring apart from data cabling. During transport or accidental impact, the assembly withstands shocks of **5 G** for up to **30 ms** without loss of functionality. Projected-capacitive touch technology enables multi-finger operation through thin gloves. The aluminum chassis shields the

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internal electronics while helping to keep the overall mass low.

Specifications

Cable length:	upto 100 meters distance to pc	Connection Technology:	CP Link 4 (Cat.6A Cable	Cp-link Distance:	100 m
Cp-link Input:	8-pin M12 socket	Display Options:	Multiple resolutions, up to 24-inch Full HD (1920 x 1080)	Dvi Extended Input Pin Assignment:	19-pin connection with DVI signal restoration
Emc Emission:	EN 61000-6-4	Emc Immunity:	EN 61000-6-2	Front Material:	Glass
Housing Material:	Aluminum	Max Relative Humidity:	95%	Max Wire Cross-section:	4 x 0.75 mm2
Min Supply At Plug:	22 VDC	Mounting Arm Adapter:	4x M6 Threaded holes, 100 x 100 mm spacing in the connection block	Nominal Input Voltage:	24 VDC
Permissible Ambient Temperature (operation):	0 °C to +50 °C	Permissible Ambient Temperature (transport/storage):	-20 °C to +65 °C	Permissible Relative Humidity:	Maximum 95%, no condensation
Protection Rating:	IP65	Shock Duration:	30 ms	Shock Resistance:	5 G
Supply Connector:	4-pin M12 socket	Supply Plug Rating:	16 A	Supply Voltage:	22-30 VDC (24 VDC Power Supply Unit) NEC Class 2
Touch Screen:	Multi-finger touch screen	Touch Technology:	PCT	Usb Support:	USB 2.0 (Optional USB-A socket available)
Weight With Connection Block:	6.1 kg	Weight With Mounting Arm Adapter:	6.9 kg	Last Verified:	10/25/2026 1:30 PM

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Shipping Options



Payment Methods



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