

Beckhoff — CP Panel PC Systems

CP7903-0021-0000 **In-Stock, Ships Today**

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The **CP7903-0021-0000** is an operator panel PC manufactured by Beckhoff within the CP Panel PC Systems series. This unit combines an industrial display, sealed metal housing, and remote connectors so it can serve as the front-end human-machine interface for PLC-controlled equipment and production cells. Its aluminum enclosure and field-installable cabling allow the device to be mounted directly on machines or support arms, placing visualization and touch input close to the process it supervises.

The visualization surface measures **19 in** and is based on a **TFT** panel that renders process graphics at a native resolution of **1280 × 1024**. A galvanically isolated input accepts a **24 VDC** supply, and average power demand is limited to **32 W**, simplifying cabinet power budgeting and heat dissipation. The front and side faces achieve a protection rating of **IP65**, preventing dust ingress and water jets from affecting the electronics during washdown or aggressive cleaning. Four M6 threaded mounting points, each 18 mm deep, are provided on the rear plate to secure the panel to brackets or swing arms without additional adapters. A 19-pole M16 DVI-I port transmits video up to 50 m, allowing the computer unit to reside in a separate, climate-controlled panel while the screen remains on the machine.

All field connections use circular plugs with enhanced sealing. Data contacts inside the connector area are protected to **IP67** once the mating cables are tightened, ensuring signal integrity even when the panel is exposed to coolant spray. The USB-E interface terminates on an 8-pole M9 jack and supports transfer rates up to **480 Mbit/s** over shielded twisted-pair runs as long as 50 m, enabling the remote connection of touch controllers or USB storage

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devices. DC input enters through a **4-pole M12** connector that carries power and functional ground in a single locking plug, reducing assembly time and preventing accidental polarity reversal.

Specifications

Atmospheric Humidity:	Maximum 95%, non-condensing	Connector Protection:	IP67	Dimensions:	Variable; consult assembly dimensions
Display Size:	19 in	Display Type:	TFT	Dvi Connector:	19-pole M16
Dvi Range:	50 m	Emc Compatibility (emission Of Interference):	According to EN 61000-6-4	Emc Compatibility (resistance To Interference):	According to EN 61000-6-2
Housing Material:	Aluminum	Impact Resistance:	5 G (~50 m/s ²), duration: 30 ms	Mounting Holes:	4 x M6 x 18 mm
Power Connector:	4-pole M12	Power Consumption:	32 W	Power Consumption (6.5" Display):	Approx. 10 W
Power Supply:	24 VDC	Protection Class:	Control Panel: IP65; Connector Plug: IP67	Protection Rating:	IP65
Resolution:	1280 x 1024	Shock Resistance (sinusoidal Vibration):	10 to 58 Hz: 0.035 mm; 58 to 500 Hz: 0.5 G (~5 m/s ²)	Storage And Transport Temperature:	-20°C to +65°C
Supply Voltage:	24 VDC (20.4 - 28.8 VDC)	Usb-e Connector:	8-pole M9	Usb-e Range:	50 m
Usb-e Speed:	480 Mbit/s	Last Verified:	10/25/2026 8:05 AM		

Contact Us

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