

Beckhoff — CP Panel PC Systems

CP7903-1034-0000 **In-Stock, Ships Today**

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The **CP7903-1034-0000** is a panel PC display unit supplied by Beckhoff within the CP Panel PC Systems series. It serves as the operator interface for industrial automation, presenting process information and accepting input through its bezel while the computing hardware resides elsewhere. The device is intended for arm or control-cabinet mounting in environments that require a sealed, easy-to-clean front surface. Its design allows operators to view machine status, production data, alarms, and other graphical information from a convenient location near the equipment.

The unit has a **19 in** diagonal TFT panel suitable for SCADA graphics. The front housing has a depth of only **45 mm**, allowing flush installation on enclosures without occupying excessive space inside the machine. Its overall height is 455 mm. The aluminum faceplate and rear seal provide IP65 protection against dust and low-pressure water jets. The front has no mechanical keys, which helps simplify cleaning, and the panel is secured from the rear using M6 mounting threads distributed along the perimeter. The electronics use a **24 VDC** supply, so the screen can share a power rail with sensors and PLC I/O. Power enters through a rugged **4-pole M12 connector** that carries the positive and return lines and includes a protective earth connection. Digital video is transmitted through a **DVI-Extended link**, maintaining signal integrity over longer distances than standard DVI cabling.

The enclosure has a width of **504 mm**, providing a large viewing area without exceeding the practical footprint of many swing-arm installations. When properly mated, the circular connectors provide an ingress protection rating of **IP67**, allowing the ports to withstand washdown cleaning and temporary immersion. Signal quality is maintained

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over cable runs of up to **50 m**, allowing the display to be installed on moving carriages or elevated tool-change portals while the computer remains in a protected location. The extended USB channel uses a**USB-Extended interface** through an 8-pole M9 socket that locks with a threaded collar. The video connection uses a 19-pole M16 plug with the same threaded locking method, reducing the risk of accidental disconnection during machine operation or maintenance. Separate locking connectors also help organize the power, video, and peripheral connections at the rear of the enclosure.

Specifications

Connector Protection:	IP67	Depth:	45 mm	Display Size:	19 in
Display Type:	TFT	EMC Emission Standard:	EN 61000-6-4	EMC Immunity Standard:	EN 61000-6-2
Emissions Compliance (Canada):	Meets Class A radiated limits	Emissions Compliance (USA):	FCC Class A digital device	Height:	455 mm
Ingress Protection (Panel):	IP65	Ingress Protection (Plug):	IP67	Interfaces:	DVI video & USB data, 50 m max
Key Variant:	Without Keys	Max Cable Distance:	50 m	Mounting Thread:	M6
Operating Humidity:	Up to 95% RH non-condensing	Operating Temperature:	0 to 55°C	Power Connector:	4-Pole M12
Power Consumption:	~25 W (15'' display)	Protection Class:	IP65	Shock Impact Resistance:	5 G (?50 m/s²), 30 ms
Storage Temperature:	-20 to 65°C	Supply Voltage:	24 VDC	Supported Display Sizes:	6.5'', 12'', 15'', 19'', 24''
Usb Connector:	8-Pole M9	Usb Interface:	USB-Extended	Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G
Video Connector:	19-Pole M16	Video Interface:	DVI-Extended	Width:	504 mm
Last Verified:	10/26/2026 11:04 AM				

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