

Beckhoff — C6 Industrial PC Units

C6930-1032-0040



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The **C6930-1032-0040** is an industrial PC from Beckhoff that belongs to the C6 Industrial PC Units series. It is intended to serve as a DIN rail-mounted control platform that combines PLC, HMI, and motion tasks within automated lines. By hosting TwinCAT or other real-time software, the unit coordinates distributed I/O, drives, and vision components, acting as the central processor in an industrial automation cell.

The PC is powered from a DC bus in the range of **22-30 V DC**, and the power connector is rated for 8 A so that auxiliary loads such as fieldbus interfaces can be energized without an external booster supply. Continuous operation is permitted between **0 and 55 °C**, and forced-air cooling is unnecessary within this range. The aluminum housing carries an **IP20** protection rating, so the unit must be installed inside a cabinet. This rating protects against accidental finger contact but does not provide water protection. Security for stored credentials and certificates is handled by an integrated **fTPM 2.0** module that supports measured boot and encryption keys. Mechanical resilience is supported by a shock tolerance of **5 G for 30 ms** and vibration limits of 0.035 mm from 10-58 Hz and 0.5 G from 58-500 Hz, allowing the computer to operate near stamping presses or mobile machinery.

The PC provides **four USB ports**, each with a current capacity of **900 mA**, enabling direct attachment of scanners, flash drives, or UPS adapters. Dual LAN controllers provide **two Ethernet ports** for redundant networks or segmented traffic, while a single DVI-I socket supports one digital or analog monitor. Legacy peripherals can connect through the single RS-232 port. Two PCIe module slots accept fieldbus master cards or additional SSDs, extending functionality without enlarging the unit's footprint. Long-term storage and shipping are permitted at

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temperatures from **-25 to 65 °C**, allowing the computer to be stored in unconditioned environments until it is needed.

Specifications

Dimensions (W×H×D):	90×235×121 mm	Dvi Ports:	1	EMC emission:	EN 61000-6-4
EMC immunity:	EN 61000-6-2	Ethernet Ports:	2	Manufacturer:	Beckhoff Automation
Model:	C6930	Operating Temp:	0 to 55 °C	Operating temperature range:	0°C to +55°C
Pcie Module Slots:	2	Permissible air humidity:	Up to 95% RH, non-condensing	Power Connector Rating:	8 A
Protection rating:	IP20	Rs232 Ports:	1	Shock resistance:	5 G, 30 ms
Storage Temp:	-25 to 65 °C	Supply voltage:	22-30 V DC	Trusted Platform Module:	fTPM 2.0
Usb Output Current:	900 mA	Usb Ports:	4	Vibration 10-58 Hz:	0.035 mm
Vibration 58-500 Hz:	0.5 G	Vibration resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G	Warranty:	12 months
Weight:	2100 g	Last Verified:	10/23/2026 10:06 PM		

Contact Us

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