

Beckhoff — C6 Industrial PC Units

C6920-1072-0040



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The **C6920-1072-0040** is an industrial personal computer produced by Beckhoff for the C6 Industrial PC Units series. Installed on a DIN rail or mounting plate, the device executes real-time control tasks, supervises motion sequences, and hosts human-machine interface software inside automated machinery. Its compact aluminum housing and 22-30 V DC supply range allow the controller to be installed in standard switchgear cabinets without separate climate modules.

The front panel provides **one DVI-I connector** for a digital or analog display connection, while **two 10/100/1000BASE-T Ethernet ports** connect the computer directly to machine-level and plant-wide network segments. The **four USB 2.0 ports** support scanners, service drives, and local data acquisition modules. Power is supplied at **22 to 30 V DC**, allowing the unit to share low-voltage rails with standard control hardware. The enclosure has an **IP20** rating, providing protection against accidental finger contact and supporting installation in closed electrical cabinets. Additional communication is available through a 9-pin RS-232 port and a separate 9-pin fieldbus interface for legacy bus couplers.

Continuous operation is supported at temperatures up to **+55 °C**, while the electronics can be stored at temperatures from -25 °C to +65 °C. Relative humidity may reach **95% RH** without condensation. Two integrated fans direct cooling air through the chassis to help control internal temperatures during operation. The compact board layout withstands mechanical impacts of **5 G** for periods of **30 ms**. This shock tolerance supports installation on mobile assemblies and high-speed handling systems. Protection against electrostatic discharge follows the

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cabinet grounding arrangement used for the Ethernet shielding, and adequate power margins are maintained while the supply remains above the 22 V DC minimum.

Specifications

Cooling:	Fanless, passive cooling	Dimensions:	132 x 104 x 200 mm (W x H x D)	Display Interface:	1 x DVI-I
Ethernet Ports:	2 x RJ-45	Ethernet Speed:	2 x 10/100/1000BASE-T	Fan Count:	2
Fieldbus Interface:	1 x 9-pin D-Sub	Interfaces:	2 x DisplayPort, 2 x Ethernet, 4 x USB 3.0, 2 x USB 2.0	Ip Rating:	IP20
Max Humidity:	95% RH	Max Operating Temp:	+55 °C	Max Storage Temp:	+65 °C
Max Supply Voltage:	30 VDC	Min Storage Temp:	-25 °C	Min Supply Voltage:	22 VDC
Mounting:	DIN rail mounting	Operating Temperature:	0 °C to +50 °C	Power Supply:	24 V DC (19-30 V)
Processor:	Intel® Core(TM) i7-8700	Protection Class:	IP20	Ram:	16 GB DDR4
Serial Interface:	1 x RS232 D-Sub-9	Shock Duration:	30 ms	Shock Resistance:	5 G
Storage:	240 GB SSD	Type:	Industrial PC (IPC)	Usb Ports:	4 x USB 2.0
Weight:	Approx. 2.8 kg	Last Verified:	10/23/2026 6:43 AM		

Contact Us

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