

Beckhoff — C6 Industrial PC Units

C6525-1030-0050



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The **C6525-1030-0050** industrial PC is produced by Beckhoff as part of the C6 Industrial PC Units series. Designed for cabinet or machine mounting, this unit provides embedded control and visualization capabilities for automation cells, handling deterministic logic tasks while interfacing directly with fieldbuses, drives, and operator panels. It serves as the central computing platform for real-time PLC software, consolidating motion control, data acquisition, and HMI services in a single industrially hardened enclosure.

The unit uses **passive cooling**, so it has no internal fans; heat dissipates through the aluminum housing, reducing the number of moving parts that could fail. The chassis measures **330 × 275 × 82 mm**, providing a footprint that fits shallow control cabinets while leaving room for cable bends. A **DVI** display interface supplies digital video to external panels without analog conversion. Networking is handled through **two RJ-45 sockets** that operate at **100/1000BASE-T**, allowing Fast Ethernet or Gigabit Ethernet connections to plant switches. The enclosure provides **IP65 protection outside and IP20 protection inside**, meaning the externally accessible components resist dust and low-pressure water jets while the internal electronics rely on cabinet protection. A 16 A input fuse protects the supply path, and the eight-pole power connector accepts conductors with the required 1.5 mm² cross section.

Two separate gigabit controllers, **Intel i210 and Intel i219**, manage the network ports and provide hardware support for time-sensitive Ethernet protocols. Four USB sockets comply with the **USB 2.0** standard and provide bus-powered connectivity for service tools or removable data-logging media. Legacy serial integration remains possible because one DB9 connector uses the **RS-232** signaling format to communicate with barcode scanners, weighing

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scales, or older PLCs. During normal operation, the power-status circuit draws 0.5 A, which can be considered when sizing a UPS backup system. Status contacts inside the power block report the operating state to external monitoring relays.

Specifications

2.5-inch SATA HDD slot:	Optional	Battery access:	Behind cover plate	CompactFlash slot:	Available
Cooling Type:	Passive	Dimensions:	330 x 275 x 82 mm	Dimensions (W×H×D):	330 × 275 × 82 mm
Display Interface:	DVI	EMC:	EN 61000-6-2, EN 61000-6-4	Ethernet Controllers:	Intel i210 and Intel i219
Ethernet Port Count:	2	Ethernet ports:	2×100/1000BASE-T	Ethernet Speed:	100/1000BASE-T
Input Fuse:	16 A	Min Cable Cross-section:	1.5 mm²	Operating Temp (inside):	0 to 55 °C
Operating Temp (outside):	0 to 45 °C	Power Connector:	8-pole	Power consumption (basic):	Approx. 90 W
Power consumption (with UPS):	30 W (charging), 44 W (output)	Power Status Load:	0.5 A	Protection class (inside):	IP20
Protection class (outside):	IP65	Protection Rating:	IP65 outside / IP20 inside	Serial port:	RS-232 COM1, 9-pin Sub-D
Serial Port Count:	1	Serial Standard:	RS232	Shock resistance:	5 G, 30 ms (EN60068-2-27/-29)
Supply voltage:	22-30 VDC	Usb Port Count:	4	USB ports:	4×USB 2.0
Usb Standard:	USB 2.0	Vibration resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G	Weight:	4.74 kg
Last Verified:	10/23/2026 2:21 AM				

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Shipping Options



Payment Methods



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