

Beckhoff — C6 Industrial PC Units

C6525-1013-0050



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The **C6525-1013-0050** is a fanless industrial PC produced by Beckhoff and supplied within the C6 Industrial PC Units series. It is intended for control-cabinet mounting in automated machinery where a compact Windows-based controller must operate directly on the plant floor. By combining a processor, fieldbus interfaces, and local data storage in one housing, the unit acts as the central execution platform for PLC logic, HMI tasks, and machine-level networking.

The enclosure measures **330 × 275 × 82 mm**, providing enough board area for add-on cards while still fitting shallow cabinets. Its dual housing has an **IP65 / IP20** rating, which protects the electronics from dust and low-pressure water jets while allowing internal modules to receive convection cooling. The system has a mass of **4.74 kg**, helping limit vibration loads on mounting rails. Networking is handled by **2 Ethernet ports** that support the 100/1000BASE-T standard for soft real-time EtherCAT or conventional TCP/IP traffic. Removable media and service tools connect through **4 USB ports** that comply with the USB 2.0 standard, and an RS-232 interface supports legacy drives or barcode scanners. A DVI output connects operator panels with resolutions up to Full HD. An eight-pin supply connector routes the 24 V input and internal UPS wiring; steady logic consumption is 0.5 A, while the UPS output can deliver 2.0 A to buffer field devices during brownouts.

Primary overcurrent protection is provided by a **16 A** fuse located in the power-entry stage. Incoming conductors with cross-sectional areas of up to **1.5 mm²** can be terminated without ferrules. The aluminum chassis withstands shocks of **5 G** for 30 ms, supporting transport on factory carts and forklifts. Operation is permitted at relative

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humidity levels of up to **95%** without condensation. This humidity tolerance allows the controller to operate in washdown zones or high-moisture packaging lines without separate climate conditioning.

Specifications

Cable Cross-section:	1.5 mm ²	Conductor Material:	Stranded Copper	Connector Type:	IDC female connector
Contact Plating:	Tin	Current Rating:	2.0A	Dimensions (w X H X D):	330 x 275 x 82 mm
Ethernet Ports:	2	Ethernet Standard:	100/1000BASE-T	Fuse Rating:	16 A
Insulation Material:	PVC	Jacket Color:	Gray	Length:	0.50 meters
Max Humidity:	95%	Number Of Conductors:	10	Power Status Load:	0.5 A
Power Supply:	24 V DC	Protection Rating (outside / Inside):	IP65 / IP20	Rohs Compliance:	Yes
Serial Interface:	RS232	Shielding:	Unshielded	Shock Resistance:	5 G, 30 ms
Supply Connector:	8-pin	Temperature Rating:	-20°C to +80°C	Type:	Cable Assembly
Ups Output Load:	2.0 A	Usb Ports:	4	Usb Standard:	USB 2.0
Video Output:	DVI	Voltage Rating:	300V	Weight:	4.74 kg
Wire Gauge:	22 AWG	Last Verified:	10/23/2026 12:21 PM		

Contact Us

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Shipping Options



Payment Methods



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