

Beckhoff — C6 Industrial PC Units

C6525-1031-0050



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The **C6525-1031-0050** industrial PC is built by Beckhoff for the C6 Industrial PC Units series and is intended as a scalable control node for automated production lines. By combining PC-based control technology with rugged hardware, the unit executes PLC logic, motion sequences, and supervisory HMI software from a single platform, reducing cabinet space while linking to field devices through its integrated communication ports. Two onboard Gigabit controllers provide **2 × 100/1000BASE-T** ports for real-time Ethernet fieldbus communication.

Inside the enclosure, the board is powered by a regulated **22-30 VDC** input, so it can draw directly from a 24 V plant supply. Four front-accessible ports rated at **4 × USB 2.0** connect scanners, flash drives, or keyboards, while display data is delivered through a single **1 × DVI** output. Internal components can operate when the ambient temperature inside the cabinet remains between 0 °C and 55 °C. With the cabinet door closed, the permitted external ambient temperature range is 0 °C to 45 °C. One RS-232 interface supports legacy device integration, and a monitored power-status pin can supply 0.5 A to actuate a relay during startup diagnostics. During short outages, the integrated UPS circuit can supply 2.0 A to downstream control equipment. The unit withstands shocks of 5 g for 30 ms, helping protect internal connections during machine impacts.

Ingress protection is divided between an **IP20** rating for the interior electronics and an outer housing rated at **IP65**, enabling cabinet installation in areas where washdowns occur. The aluminum chassis measures **330 × 275 × 82 mm**, and its shallow 82 mm depth accommodates slim control panels. The unit weighs **4.74 kg**, limiting the load placed on the mounting structure and simplifying physical handling during installation. When stored offline, its

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components remain stable from **-20 to +65 °C**, allowing the unit to be kept in an unconditioned storage area.

Specifications

Ambient Temp (inside):	0 to 55 °C	Ambient Temp (outside):	0 to 45 °C	Approvals:	FCC Class A (USA), Canada
Atmospheric Humidity:	Up to 95% RH, non-condensing	Dimensions:	330×275×82 mm (W×H×D)	Dimensions (w X H X D):	330 x 275 x 82 mm
Ethernet:	2 x 100/1000BASE-T	Installation:	Mount with clamping levers; 200 mm ventilation clearance	Interfaces:	RS-232 (COM1), DVI, 4×USB2.0, 2×Ethernet (100/1000BASE-T)
Maintenance:	Minimal; battery replacement precautions	Power Consumption (base):	90 W	Power Consumption (UPS charging):	30 W
Power Consumption (with UPS output):	44 W	Power Status Output:	0.5 A	Power Supply:	24 VDC (22-30 V input)
Protection Class:	IP65 (outside), IP20 (inside)	Protection Rating (inside):	IP20	Protection Rating (outside):	IP65
Serial Port:	1 x RS232	Shock Impact Resistance:	5 G (30 ms)	Shock Resistance:	5 G, 30 ms
Storage Options:	2.5-inch SATA HDD or CF slot	Storage Temp:	-20 to +65 °C	Supply Voltage:	22-30 VDC
UPS Integration:	Supports C9900-U330 battery pack	Ups Output Load:	2.0 A	Usb:	4 x USB 2.0
Vibration Resistance:	10-58 Hz: 0.035 mm; 58-500 Hz: 0.5 G	Video Output:	1 x DVI	Warranty:	1 year
Weight:	4.74 kg	Last Verified:	10/24/2026 1:32 AM		

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Shipping Options



Payment Methods



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