

Beckhoff — C6 Industrial PC Units

C6240-1016



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The **C6240-1016** industrial PC is produced by Beckhoff within the C6 Industrial PC Units series. Designed as a 19-inch control computer for control-cabinet installation, it supplies processing power for PLC logic, motion sequences, and SCADA data collection on automated lines. The unit anchors the control layer by combining standard PC architecture with expansion slots for dedicated fieldbus, vision, or measurement cards. By consolidating processing, display output, and network interfaces, it reduces the footprint of separate controllers and operator terminals in industrial automation.

The enclosure is **430 mm** wide, **170 mm** high, and **274 mm** deep, allowing the PC to fit shallow control racks while still accommodating its card-cage clearances. A protection class of **IP20** indicates that the electronics are guarded against solid objects larger than 12 mm but require a closed cabinet for protection from splashing water. Internally, the motherboard offers **7** free PCIe or PCI slots for additional motion controllers, fieldbus masters, or data acquisition boards. Each card mates with connectors that have five contacts spaced 5 mm apart, and the wiring harness accepts conductors as small as 1.5 mm². A single RS-232 port serves legacy serial devices, while two DVI connectors and one DisplayPort connector support operator panels or diagnostic displays.

Two gigabit controllers provide machine network access through dual RJ-45 sockets. Support for **10/100/1000BASE-T** enables mixed-speed segments and straightforward connections to managed switches. **Four front-panel USB 2.0 ports** provide plug-and-play connections for service keyboards, removable media, or touchscreen controllers, eliminating the need for internal hubs. For operator diagnostics or data logging in humid

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production areas, the electronics tolerate ambient humidity up to **95%**, provided condensation is avoided. **Three stereo audio jacks** provide line-level interfaces for alarm buzzers, headsets, or voice-prompt modules without requiring an additional sound card.

Specifications

Audio Jacks:	3	Connector Contacts:	5	Contact Spacing:	5 mm
Depth:	274 mm	Dimensions (l×w×h):	2620 × 995 × 1370 mm	Displayport Outputs:	1
Dvi Outputs:	2	Ethernet Ports:	2	Ethernet Speed:	10/100/1000BASE-T
Height:	170 mm	Main Motor Power:	5.5 kW	Max Humidity:	95%
Maximum Length Of Workpiece:	1000 mm	Min Conductor Area:	1.5 mm²	Net Weight:	2000 kg
Number Of Spindle Speeds:	12	Protection Class:	IP20	Rs232 Ports:	1
Slot Count:	7	Spindle Bore:	52 mm	Spindle Speed Range:	40 - 1600 rpm
Swing Over Bed:	400 mm	Swing Over Carriage:	240 mm	Tailstock Quill Diameter:	60 mm
Tailstock Quill Taper:	MT4	Tailstock Quill Travel:	150 mm	Thread Range (inch):	2 - 24 TPI
Thread Range (metric):	1 - 192 mm	Usb Ports:	4	Width:	430 mm
Last Verified:	10/22/2026 10:15 PM				

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