Beckhoff — CX Embedded PC Systems

CX5020-0112



In-Stock, Ships 3-5 Days

- ☑ Get a Quote in 5 minutes
- ☑ Parts ship in as little as 24 hours
- ☑ Up to half the cost of the manufacturer

Secure Online Checkout

Free Ground Shipping

One Year Warranty

The **CX5020-0112** is an embedded PC manufactured by Beckhoff for the CX Embedded PC Systems series. It serves as a compact PLC and motion controller for real-time automation tasks in machinery and building systems. The unit mounts on a DIN rail and connects to EtherCAT or traditional fieldbus terminals.

Processing is handled by an **Intel Atom Z530** processor that operates at **1.6 GHz**. This single-core device provides deterministic computing for the TwinCAT runtime while keeping heat output moderate. The integrated Intel GMA 500 graphics core drives a control HMI through the **DVI-D port** without requiring a separate GPU module. The **two RJ45 ports supporting 10/100/1000 Mbit/s** allow control-network redundancy or separation between IT and field levels. Local service connections and removable storage are supported by **four USB 2.0 ports**, allowing connections for a keyboard, USB flash drive, or service adapter. The unit communicates with Beckhoff I/O slices over the E-Bus backplane, allowing expansion modules to receive power and data through the same connector.

The internal supply sections withstand up to **500 Veff** of dielectric stress between isolated circuits, and the control electronics draw a continuous I/O supply current of 2 A from the 24 V DC rail. Maximum power loss is limited to **12.5 W**, helping reduce panel cooling requirements. The enclosure has an **IP20 protection class**, which restricts the unit to sheltered environments while allowing convenient access to its wiring connections. Its fixed dimensions are **100 × 106 × 92 mm**, allowing clearance for airflow and cable bend radii to be calculated during cabinet layout. The compact enclosure conserves DIN-rail space while providing the processing and connectivity needed for control applications. Its moderate heat output also supports installation in densely populated control cabinets where

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.

passive airflow is available.

Specifications

Bus Interface:	E-Bus	**Clock Frequency:**	1.6 GHz	**Cpu Cores:**	1
Dielectric Strength:	500 Veff	**Dimensions:**	100 x 106 x 92 mm	**Display Output:**	DVI-D
Ethernet:	2 x RJ45, 10/100/1000 Mbit/s	**Graphics Core:**	Intel GMA 500	**I/o Supply Current:**	2 A
Max Power Loss:	12.5 W	**Processor:**	Intel Atom Z530	**Protection Class:**	IP20
Usb:	4 x USB 2.0	**Last Verified:**	11/19/2026 8:42 PM		

Contact Us

1620 Old Apex Road, Cary, NC 27513, USA

Toll Free: 1-888-551-3082

International: 1-919-443-0207

Fax: 1-919-867-6204

Email: sales@wakeindustrial.com

Shipping Options

Payment Methods

Automation Factory sells factory new and pre-owned surplus products and maintains channels to procure supply. Automation Factory is not affiliated with nor an authorized distributor or representative of any manufacturers, brands or products listed. Designated trademarks, brand names, and brands appearing herein are the property of their respective owners.

© 2026 Automation Factory. All rights reserved.