Beckhoff — CX Embedded PC Systems

CX5140-0120



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 **CX5140-0120** is an embedded PC produced by Beckhoff for the CX Embedded PC Systems series. Mounted in a control cabinet, the device forms the central processor of an automation cell by running TwinCAT software for PLC logic, motion sequences, and HMI tasks. Its compact housing lets machine builders integrate PC-based control without a separate industrial computer, reducing panel depth while retaining full Windows or real-time operating system capability.

The computing section is driven by an Intel Atom E3845 processor that operates at **1.91 GHz** and contains **4 CPU cores**, so simultaneous program threads, communication stacks, and visualization clients can run without cycle-time overruns. Runtime data, variables, and the operating system reside in **4 GB of DDR3 RAM**, while a CFast slot and a MicroSD slot provide removable flash storage for system images or recipe files. Two Ethernet controllers provide **2 RJ45 10/100/1000 Mbit/s ports** that can serve as EtherCAT masters or standard TCP/IP channels for SCADA links and configuration access. An integrated watchdog and fanless cooling help keep the system responsive within its stated thermal budget during continuous operation.

Control cabinet wiring connects to a **24 V DC supply**. Under nominal load, the unit draws up to **16 W**, rising to 23 W when the internal uninterruptible power supply charger is active. The unit has **4 front-mounted USB 2.0 sockets**, each supplying up to 500 mA for touchscreens, service drives, or barcode scanners without an external hub. The enclosure carries an **IP20 rating**, making it suitable for standard dry control cabinets. Heat dissipates by convection through the aluminum fins of the enclosure, which measures **142 × 100 × 92 mm**. During brownouts,

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.

the integrated capacitor-based uninterruptible power supply maintains control voltage for one second so the file system can close properly. The complete assembly weighs 1,095 g, which limits rail loading in densely populated panels.

Specifications

Clock Speed:	1.91 GHz	**Cpu Cores:**	4	**Dimensions:**	142 x 100 x 92 mm
Flash Storage:	CFast Slot, MicroSD Slot	**Lan Ports:**	2 x RJ45, 10/100/1000 Mbit/s	**Main Memory:**	4 GB DDR3-RAM
Max Power:	16 W	**Max Power With Ups:**	23 W	**Power Supply:**	24 V DC
Processor:	Intel Atom E3845	**Protection Rating:**	IP20	**Ups Backup:**	1 s
Usb Ports:	4 x USB 2.0, 500 mA	**Weight:**	1095 g	**Last Verified:**	11/19/2026 3:15 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

DHL · FedEx · UPS · Freight

Payment Methods

American Express · MasterCard · VISA · Wire Transfer

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.