Beckhoff — CX Embedded PC Systems

CX5140-0140



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 **CX5140-0140** is a DIN-rail-mountable embedded PC manufactured by Beckhoff within the CX Embedded PC Systems series. It serves as the central controller in automation cells by consolidating PLC logic, motion coordination, and HMI tasks on one platform. This arrangement allows machine builders to replace separate hardware layers with a single compact device.

The unit operates with an **Intel Atom E3845 processor running at 1.91 GHz**; this quad-core system-on-chip provides deterministic performance while maintaining a modest thermal envelope. All processing threads are available because the CPU contains **4 physical cores**, enabling simultaneous execution of real-time control, visualization, and communication stacks. Program code and operating data reside in **4 GB of DDR3 RAM**, preventing swap delays when larger TwinCAT projects run. Two independent Ethernet interfaces with **2 × RJ45 ports operating at 10/100/1000 Mbit/s** support line or ring topologies for EtherCAT and standard TCP/IP traffic. The electronics draw power from a **24 V DC supply with a -15%/+20% tolerance**, so the PC connects directly to common control-cabinet power rails without an external converter.

The housing measures **142 × 100 × 92 mm**, keeping rack space usage low, and weighs **1095 g**, which minimizes the load on lightweight mounting plates. Internal insulation provides up to **500 V of dielectric strength** between the supply and ground, enhancing reliability when the unit is installed near high-power wiring. The **IP20 protection rating** provides protection against finger contact but requires installation inside a closed enclosure for protection from dust or splashing water. A built-in UPS stores 1 MB of data for one second, preserving remanent variables

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.

during short power interruptions. Heat dissipation reaches 16 W under typical load and 23 W while the UPS is charging, providing the thermal values needed to size cabinet airflow or heat-sink surfaces. The DIN-rail mounting system allows the computer to be positioned alongside other control components while preserving access to its ports and power connections.

Specifications

Cpu Cores:	4	**Dielectric Strength:**	500 V	**Dimensions (w X H X D):**	142 x 100 x 92 mm
Graphics Memory:	256 MB	**Integrated Ups:**	1 s, 1 MB	**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 (-15%/+20%)	**Processor:**	Intel Atom E3845 1.91 GHz	**Protection Rating:**	IP20
Twincat Runtime:	None	**Usb Ports:**	4 x USB 2.0, 500 mA	**Weight:**	1095 g
Last Verified:	11/20/2026 8:17 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.