Beckhoff — CX Embedded PC Systems

CX5120-0170



Available, Ships in 1-2 weeks

- ☑ 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 **CX5120-0170** is an embedded PC from Beckhoff's CX Embedded PC Systems series, designed to act as the central control element in distributed automation cells. It integrates processing, memory, and communication interfaces into a 124 mm-wide DIN-rail module, allowing PLC, HMI, or motion software to run directly in the machine cabinet. The compact format supports installation in packaging lines, material-handling stations, and process skids where cabinet space is limited. The unit is delivered without a TwinCAT runtime, allowing an appropriate license to be installed for the intended application.

Computing tasks are handled by a **1.46 GHz** single-core **Intel Atom E3815** processor that supports deterministic cycle times with low heat dissipation. Program variables and real-time data reside in **2 GB DDR3 RAM**, providing memory for mid-sized logic projects and local data trending. The unit has **four USB 2.0 ports** for connecting input devices, removable storage, or other compatible peripherals. Two Gigabit Ethernet interfaces with **two RJ45 connectors** support separate control and diagnostic networks. A DVI-I interface connects a local monitor, while Intel HD Graphics uses 256 MB of shared memory to render process graphics in 24-bit color. The single processor core also supports predictable watchdog response during control operations.

Power is supplied at **24 V DC**, and the platform draws a maximum of **11 W**, allowing it to share compact 24-volt power rails with sensors and remote I/O. Each USB channel supplies up to **500 mA**, enabling compatible bus-powered peripherals to operate without a separate power source. Two onboard capacitors provide an integrated uninterruptible power supply that maintains operation for one second after an input power loss. During that interval,

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.

essential process data can be written to flash memory before the system shuts down. The module has an**IP20** protection rating, so it must be installed inside a suitable enclosure. Its DIN-rail format supports direct placement alongside other cabinet-mounted automation components without requiring a separate industrial PC chassis.

Specifications

Clock Speed:	1.46 GHz	**Cpu Cores:**	1	**Display Interface:**	DVI-I
Graphics:	Intel HD Graphics	**Graphics Memory:**	256 MB (shared memory)	**Integrated Ups:**	1 s
Lan Ports:	2 x RJ45	**Main Memory:**	2 GB DDR3-RAM	**Max Power Draw:**	11 W
Power Supply:	24 V DC	**Processor:**	Intel Atom E3815	**Protection Rating:**	IP20
Twincat Runtime:	None	**Usb Port Current:**	500 mA	**Usb Ports:**	4 x USB 2.0
Last Verified:	11/18/2026 11:13 AM				

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

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.