Beckhoff — CX Embedded PC Systems

CX5120-0122



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 **CX5120-0122** is an embedded PC produced by Beckhoff within the CX Embedded PC Systems series. Intended for DIN-rail installation, it serves as a compact PLC and motion controller that can drive distributed I/O and HMI stations in industrial automation cells. When equipped with TwinCAT 2 NC PTP Runtime, the device executes synchronized point-to-point axis control alongside standard IEC 61131-3 task scheduling.

An **Intel Atom E3815** processor operates at 1.46 GHz and is supported by **2 GB DDR3-RAM**, giving the controller headroom for cyclic logic, trajectory generation, and local data buffering. Graphics output relies on **256 MB** of dedicated video memory connected to integrated Intel HD Graphics, so modest visualizations can run directly on a panel PC without a discrete GPU. Removable-media and service access are available through **4 × USB 2.0** interfaces that supply up to 500 mA per port. Two Ethernet adapters, presented as **2 × RJ45**, support switched or redundant network topologies at **10/100/1000 Mbit/s** for deterministic EtherCAT or standard TCP/IP traffic. The 11-pin system connector delivers up to 2 A for attached I/O terminals, allowing local expansion without auxiliary supplies.

The controller's power budget is capped at **11 W**, drawn from a nominal **24 V DC** source that can be paralleled for redundancy. Overall housing dimensions are **122 × 100 × 92 mm**, so it fits into shallow control panels while still meeting a dielectric strength of 500 V between power circuits and protective earth. A single-core architecture minimizes heat, and internal bus couplers pass 2 A continuously to slice I/O modules. USB outputs are current-limited to 500 mA, protecting flash drives and diagnostic adapters from inrush faults. Component spacing and a

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.

metal chassis help the unit withstand conducted disturbances and radiated noise commonly present in factory environments.

Specifications

Control Software:	TwinCAT 2 NC PTP Runtime	**Cpu Cores:**	1	**Dielectric Strength:**	500 V
Dimensions (W x H x D):	122 x 100 x 92 mm	**Graphics Memory:**	256 MB	**I/o Terminal Current:**	2 A
Lan Ports:	2 x RJ45	**Lan Speed:**	10/100/1000 Mbit/s	**Main Memory:**	2 GB DDR3-RAM
Max Power Use:	11 W	**Power Supply:**	24 V DC	**processor:**	Intel Atom E3815, 1.46 GHz
Processor Graphics:	Intel HD Graphics	**Usb Current:**	500 mA	**Usb Ports:**	4 x USB 2.0
Last Verified:	11/19/2026 9:24 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 · 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.