Beckhoff — CX Embedded PC Systems

CX5130-0155



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The **CX5130-0155** is an embedded PC manufactured by Beckhoff within the CX Embedded PC Systems series. Intended for DIN-rail installation beside I/O terminals, the unit provides PC-based control in a compact industrial enclosure. It handles control logic, HMI processing, and fieldbus communication, allowing it to coordinate motion, safety, and data acquisition tasks in industrial automation.

An **Intel Atom E3827** processor drives the system, and its dual cores run at **1.75 GHz** to support real-time PLC cycles and user applications. The controller carries **4 GB of DDR3 RAM**, allowing large TwinCAT projects, visualization objects, and historical datasets to remain resident in memory. Networking is provided by **two RJ45 Gigabit Ethernet ports** that support separate machine-level and plant-level connections without requiring an external switch. The platform also offers **four USB 2.0 ports** rated at 500 mA each for local drives, service dongles, or barcode scanners. Removable program and log storage is available through a CFast slot and a MicroSD slot, allowing data to be transferred between controllers without connecting a laptop.

The embedded power supply accepts a nominal input of **24 V DC**, and the electronics consume only **14 W** under full CPU load, reducing cabinet cooling demands. An internal capacitor bank provides one second of uninterruptible power so volatile data can survive brief supply interruptions, while dielectric strength of 500 V isolates the logic from surges in field wiring. The DVI-I graphics output supports resolutions up to **1920 × 1200** and uses a dedicated **256 MB frame buffer** to display high-resolution operator interfaces without consuming main system memory. Overall dimensions of 142 × 100 × 92 mm keep the unit compact for multi-axis machines and retrofit enclosures

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where DIN-rail space is limited.

Specifications

Clock Rate:	1.75 GHz	**Core Count:**	2	**Dielectric Strength:**	500 V
Dimensions (w X H X D):	142 x 100 x 92 mm	**Flash Media:**	CFast Slot, MicroSD Slot	**Graphic Memory:**	256 MB
Lan Ports:	2 x RJ45, 10/100/1000 Mbit/s	**Main Memory:**	4 GB DDR3-RAM	**Max Dvi-i Resolution:**	1920 x 1200
Max Power Use:	14 W	**Processor:**	Intel Atom E3827	**Supply Voltage:**	24 V DC
Ups Backup:	1 s	**Usb Ports:**	4 x USB 2.0, 500 mA	**Last Verified:**	11/19/2026 9:20 AM

Contact Us

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