Beckhoff — CX Embedded PC Systems

CX5130-0120



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The **CX5130-0120** is an embedded PC manufactured by Beckhoff for the CX Embedded PC Systems series. It mounts on a DIN rail and combines control, visualization, and communication functions so a single unit can execute PLC logic, motion tasks, and operator interface duties inside an electrical cabinet. The device serves as the central processor for distributed I/O terminals and fieldbus couplers in industrial automation cells where space and power budgets are limited.

An Intel Atom E3827 processor with a base frequency of **1.75 GHz** and two physical cores drives real-time operating sequences, while **4 GB DDR3-RAM** stores the active code and data blocks. Two Gigabit ports-**2 × RJ45, 10/100/1000 Mbit/s**-connect the controller to machine networks or higher-level SCADA systems. The system budget supplies 5 V at 2 A, giving a backplane consumption of 10 W for terminal power, and total demand stays below the maximum draw of **14 W**. External control voltage is accepted at **24 V DC (-15%/+20%)**, allowing operation on typical plant supplies. Physical dimensions of 142 × 100 × 92 mm let the housing fit alongside standard 24 V power supplies and relay modules.

The CFast interface supports a minimum capacity of **40 GB**, and a second MicroSD slot offers removable backup media. Video output over DVI-I reaches **1920 × 1200** pixels, so a single monitor can display detailed process graphics. Four front-mounted USB receptacles supply **4 × USB 2.0, 500 mA** each for service tools or barcode readers, while a 1 MB UPS data buffer preserves variables during a power dip. The housing has a mass of only **1095 g**, reducing the load on compact mounting racks. Windows Embedded Standard 7 P 32-bit is preinstalled, and

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solid-state storage media combined with fanless convection cooling support continuous operation in ambient cabinets.

Specifications

Bus Power Budget:	10 W (5 V/2 A)	**Cfast Min Capacity:**	40 GB	**Cpu Clock:**	1.75 GHz
Cpu Cores:	2	**Dimensions:**	142 x 100 x 92 mm	**Ethernet:**	2 x RJ45, 10/100/1000 Mbit/s
Main Memory:	4 GB DDR3-RAM	**Max Dvi-i Res:**	1920 x 1200	**Max Power Use:**	14 W
Operating System:	Windows Embedded Standard 7 P 32-bit	**Power Supply:**	24 V DC (-15 %/+20 %)	**Processor:**	Intel Atom E3827
Storage Media:	CFast slot; MicroSD slot	**Ups Data Buffer:**	1 MB	**Usb:**	4 x USB 2.0, 500 mA
Weight:	1095 g	**Last Verified:**	11/19/2026 3:57 AM		

Contact Us

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