Beckhoff — CX Embedded PC Systems

# CX2030-0135




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The **CX2030-0135** is an embedded PC manufactured by Beckhoff for the CX Embedded PC Systems series. It functions as the main automation controller in machines and process lines, uniting PLC logic, motion control, and visualization in one DIN-rail unit. By integrating PC architecture with industrial I/O, the device conserves cabinet space and provides deterministic execution for time-critical tasks.

The controller includes **TwinCAT 3 XAR** as its real-time operating environment, executed on an **Intel Core i7 2610UE** processor. This dual-core CPU runs at **1.5 GHz**, providing sufficient headroom for multithreaded PLC programs and soft-motion libraries. A main memory capacity of **2 GB DDR3-RAM** holds the runtime, user tasks, and cache data, while a CFast card with a minimum capacity of 40 GB stores system images and recipe files. Nonvolatile retention for counters and flags is handled by 128 kB of NOVRAM, preventing data loss during power interruptions. The module draws a maximum of **27 W** under full computational and I/O load, which assists with sizing cabinet power supplies and thermal paths.

Electrical integration is provided through a **24 V DC** supply rail that withstands transients up to the listed dielectric strength of 500 V between isolated sections. Two gigabit LAN ports with RJ45 connectors enable EtherCAT or standard TCP/IP networking, and four USB 2.0 ports deliver 500 mA each for service tools or local HMI peripherals. A DVI-I interface supports resolutions up to **1920 × 1200**, allowing direct connection to widescreen operator panels. The aluminum housing has an **IP20** protection rating and measures **144 mm × 99 mm × 91 mm**, so it fits inside shallow control enclosures while maintaining convection airflow around adjacent modules.

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## Specifications

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| **Control Software:** | TwinCAT 3 XAR | **Core Count:** | 2 | **Cpu Clock:** | 1.5 GHz |
| **Dielectric Strength:** | 500 V | **Dimensions (W x H x D):** | 144 mm x 99 mm x 91 mm | **Lan:** | 2 x RJ45, 10/100/1000 MBit/s |
| **Main Memory:** | 2 GB DDR3-RAM | **Max Dvi-i Resolution:** | 1920 x 1200 | **Max Power Consumption:** | 27 W |
| **Min Cfast Capacity:** | 40 GB | **Novram:** | 128 kB | **Power Supply:** | 24 V DC |
| **Processor:** | Intel Core i7 2610UE | **Protection Class:** | IP 20 | **Usb:** | 4 x USB 2.0, 500 mA, Type A |
| **Last Verified:** | 11/20/2026 6:22 AM | | | | |

## Contact Us


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### Shipping Options

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