Beckhoff — CX Embedded PC Systems

# CX2030-0155




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The **CX2030-0155** embedded PC is manufactured by Beckhoff and supplied within the CX Embedded PC Systems series. Acting as a DIN-rail-mounted industrial controller, the module combines PLC, motion control, and visualization in a single housing. It is intended to run machine-level tasks, manage distributed EtherCAT I/O, and interface with higher-level networks, eliminating the need for separate computers in compact automation cells. Its PC-based architecture permits the use of standard software tools while maintaining the deterministic behavior required for industrial sequencing and coordinated drive control.

At its core, the system uses an **Intel Core i7-2610UE** processor operating at **1.5 GHz**. The processor has **2 CPU cores** that share **2 GB of DDR3 RAM** for code and variable storage. Real-time execution is handled by **TwinCAT 3 XAR**, hosted on the 64-bit Windows 10 IoT Enterprise platform. A 128 kB NOVRAM retains critical data during power interruptions, and the 500 V dielectric strength separates the logic circuitry from field wiring. One CFast slot is available, and Beckhoff specifies a minimum 40 GB card, providing space for operating system images, recipes, and local data logging.

The controller draws a maximum of **27 W** from a regulated **24 V DC** supply, making heat dissipation and power budget planning straightforward. Communications are handled through **2 Ethernet ports** that support both standard TCP/IP traffic and real-time fieldbus frames. Peripheral devices such as touchscreens or service laptops connect through **4 USB ports**, while the single DVI-I connector drives high-resolution operator displays without additional graphics hardware. The compact footprint allows the PC to be mounted directly next to terminal blocks

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and servo drives inside crowded enclosures.

## Specifications

| | | | | | |
|---|---|---|---|---|---|
| **Cfast Slots:** | 1 | **Clock Speed:** | 1.5 GHz | **Control Runtime:** | TwinCAT 3 XAR |
| **Cpu Cores:** | 2 | **Dielectric Strength:** | 500 V | **Dvi-i Ports:** | 1 |
| **Ethernet Ports:** | 2 | **Main Memory:** | 2 GB DDR3 RAM | **Max Power Consumption:** | 27 W |
| **Min Cfast Capacity:** | 40 GB | **Novram:** | 128 kB | **Operating System:** | Windows 10 IoT Enterprise 64 Bit |
| **Processor:** | Intel Core i7-2610UE | **Supply Voltage:** | 24 V DC | **Usb Ports:** | 4 |
| **Last Verified:** | 11/19/2026 3:32 PM | | | | |

## Contact Us


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### Shipping Options

### Payment Methods


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