Beckhoff — CX Embedded PC Systems

CX2030-0115



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The **CX2030-0115** is an embedded PC module produced by Beckhoff within the CX Embedded PC Systems series. Designed for machine control and supervisory tasks, the unit combines a PC-class processor with fieldbus interfaces so PLC logic, HMI functions, and motion sequences can execute on a single compact platform. By installing it in a control cabinet next to I/O terminals, users can replace separate controller, gateway, and display computers with one fanless device that communicates directly with drives, sensors, and higher-level networks.

Its processing hardware is built around an **Intel Core i7-2610UE** that runs at **1.5 GHz** across **two physical cores**, providing deterministic cycle times for TwinCAT real-time tasks. System memory consists of **2 GB DDR3 RAM**, which stores operating system data, PLC programs, and user variables. Two Gigabit controllers provide **two RJ45 10/100/1000 Mbit/s Ethernet ports** for EtherCAT, standard TCP/IP, or segmented control networks, while four USB 2.0 sockets rated at 500 mA each provide removable storage and service access. The 128 kB NOVRAM secures retentive process data without a battery. Internal traces have a dielectric strength of 500 V, allowing the logic domain to withstand transient potentials that can appear in industrial switch panels.

The controller accepts a **24 V DC supply with a -15% to +20% tolerance** and draws up to **27 W** under full computational load, so it connects directly to the common 24-volt control circuit without a dedicated power converter. An operating range of **-25 °C to +60 °C** supports cold-room startup and high-temperature enclosure mounting. The anodized housing measures **144 × 99 × 91 mm** and carries an IP20 rating that limits use to clean, dry cabinets with unpressurized airflow. Its compact dimensions allow installation near terminal blocks and relays

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without occupying excessive cabinet space.

Specifications

Ambient Temp Operation:	-25 °C to +60 °C	**Cpu Clock:**	1.5 GHz	**Cpu Cores:**	2
Dielectric Strength:	500 V	**Dimensions (W x H x D):**	144 x 99 x 91 mm	**Ethernet:**	2 x RJ45, 10/100/1000 Mbit/s
Main Memory:	2 GB DDR3-RAM	**Max Power Consumption:**	27 W	**Novram:**	128 kB
Power Supply:	24 V DC (-15%/+20%)	**Processor:**	Intel Core i7-2610UE	**Protection Rating:**	IP20
Usb:	4 x USB 2.0, 500 mA each	**Last Verified:**	11/18/2026 3:36 PM		

Contact Us

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