CX1030-0012-1005

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	cx1030-0012-1005
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Processor	Intel® Pentium® M 1.8 GHz
Memory	256 MB DDR RAM expandable to 1 GB
Storage	128 MB CompactFlash card expandable
Networking Interfaces	2 x RJ45 10/100 Mbit/s internal switch
Cooling Module	Speed-controlled ball-bearing fans replaceable

Description

The Beckhoff CX1030-0012-1005 is a high-performance embedded PC designed for industrial automation applications. Powered by an Intel® Pentium® M processor running at 1.8 GHz, it offers robust processing capabilities suitable for demanding control tasks.

The system comes equipped with 256 MB of DDR RAM, expandable up to 1 GB, ensuring efficient multitasking and data handling. Storage is facilitated through a 128 MB CompactFlash card, with an expansion slot available for additional storage needs.

Networking is supported by two RJ45 Ethernet interfaces operating at 10/100 Mbit/s, connected via an internal switch, enabling seamless communication within industrial networks. The device features a cooling module with speed-controlled ball-bearing fans, which are easily replaceable, ensuring reliable operation in various environmental conditions.

Diagnostic LEDs provide real-time status updates for power, LAN activity, TwinCAT status, and flash access, facilitating quick troubleshooting. The CX1030-0012-1005 operates on Windows Embedded CE 6.0 or Windows Embedded Standard 2009, supporting TwinCAT 2 PLC runtime, NC PTP runtime, and NC I runtime, making it versatile for a range of automation tasks.

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Its compact dimensions of 96 mm x 112 mm x 99 mm and weight of approximately 550 g allow for flexible integration into diverse industrial setups. Designed to operate within a temperature range of 0°C to +50°C and withstand storage temperatures from -25°C to +85°C, it is built to endure the rigors of industrial environments.

The device complies with EN 60068-2-6 and EN 60068-2-27 standards for vibration and shock resistance, and meets EN 61000-6-2 and EN 61000-6-4 standards for electromagnetic compatibility, ensuring reliable performance in challenging conditions.