CX1030-0012-1004

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	cx1030-0012-1004
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 Compact Flash card, expandable
Network Interfaces	2 x RJ45 10/100 Mbit/s (internal switch) interfaces
Cooling Module	Fan cartridge with speed control and double ball-bearing fans module

Description

The Beckhoff CX1030-0012-1004 is a compact Embedded PC designed for industrial automation applications. Powered by an Intel® Pentium® M processor with a 1.8 GHz clock frequency, it offers robust performance for demanding tasks.

The system comes equipped with 256 MB DDR RAM, expandable up to 1 GB, ensuring efficient multitasking capabilities. Storage is provided by a 128 MB Compact Flash card, with an additional slot supporting Type I/II cards for further expansion.

Connectivity is facilitated through two RJ45 Ethernet interfaces operating at 10/100 Mbit/s, connected via an internal switch, enabling straightforward line topology without the need for additional Ethernet switches.

The device features a cooling module with a fan cartridge that includes speed control and double ball-bearing fans, designed for easy replacement to minimize downtime. Diagnostics are managed via LEDs indicating power status, LAN link/activity, TwinCAT status, and flash access.

The CX1030-0012-1004 operates on Microsoft Windows Embedded CE 6.0 or Windows Embedded Standard 2009, and supports TwinCAT 2 PLC Runtime, NC PTP Runtime, and NC I Runtime, making it suitable for a wide

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range of automation and motion control tasks.

Its compact dimensions of 96 mm x 112 mm x 99 mm and weight of approximately 550 g make it ideal for space-constrained environments. The device operates within a temperature range of 0°C to +50°C and can withstand storage temperatures from -25°C to +85°C, ensuring reliability in various industrial settings.