CX2042-0175

Industrial automation components

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Manufacturer	Beckhoff
Catalog number	cx2042-0175
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Processor	Intel® Xeon® D-1527 2.2 GHz
RAM	8 GB DDR4
Graphics Adapter	AMD E8860 2 GB GDDR5
Ethernet Ports	2 x RJ45 10/100/1000 Mbit/s
USB Ports	4 x USB 3.0 ports
Video Output	1 x DVI-I port
Power Supply	24 V DC
Max Power Consumption	95 W
Operating Systems	Windows 10 IoT Enterprise 2019 LTSC, TwinCAT/BSD
Dimensions	204 x 99 x 91 mm
Weight	1.65 kg

Description

The Beckhoff CX2042-0175 is a high-performance embedded PC designed for demanding industrial automation applications. Powered by an Intel® Xeon® D-1527 processor with a clock speed of 2.2 GHz and four cores, it ensures efficient multitasking and reliable operation.

The system comes equipped with 8 GB DDR4 RAM, expandable up to 64 GB, and features an AMD E8860 graphics adapter with 2 GB GDDR5 memory, providing robust graphical performance. Connectivity options include two RJ45 Ethernet ports supporting 10/100/1000 Mbit/s speeds, four USB 3.0 ports, and a DVI-I video output.

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The device operates on a 24 V DC power supply and has a maximum power consumption of 95 W, making it suitable for various industrial environments. The CX2042-0175 supports multiple operating systems, including Windows 10 IoT Enterprise 2019 LTSC and TwinCAT/BSD, offering flexibility for different automation tasks.

Its compact design, measuring 204 mm x 99 mm x 91 mm and weighing approximately 1.65 kg, allows for easy integration into existing systems. This embedded PC is ideal for applications requiring high processing power, expandability, and reliable performance in industrial settings.