

Ultra-Compact Industrial PC Featuring Intel® Core™ Processors (Series 2)



C6040-0090

Space-Saving Industrial PC for Machine Vision and AI

Designed for high-performance industrial computing, the C6040 combines a compact form factor with the processing power needed for demanding automation applications. Due to the optimized housing and manufacturing concept, all Industrial PCs from the C60xx series are cost-optimized and are often less expensive in direct comparison with other series in the Industrial PC product area without restrictions in industrial compatibility, quality or durability. The basic concept of the series always provides for an all-in-one motherboard developed and self-manufactured by Beckhoff. The single-board PCs are characterized by further improved robustness and durability. Modular, functional extensions in the form of a second board level can be integrated in every motherboard via an internal plug connector.

The C6040 ultra-compact Industrial PC with its 132 x 202 x 76 mm dimensions enables space-saving control cabinet installation. In combination with the automation software TwinCAT, it is particularly suited to complex axis controls, complex HMI applications, and applications with extremely short cycle times, as well as machine learning and machine vision applications.

BECKHOFF × **intel**

***Maximum
Performance
on Smallest
Footprint***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Processors



Intel® Ethernet

Intel® Speed
Shift Technology

Key Features

Empowered by Intel.



Maximum
Performance
Density



Expandable
to C6043



High Interface
Density



Flexible
Mounting

Beckhoff C6040-0090 Industrial PC



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ processors (Series 2)
Graphics	Intel® UHD Graphics 770
Memory	Up to 64 GB DDR5 RAM
Storage	Up to 2 x 1280 GB M.2 pSLC SSD
LAN	5 x 100/1000/2500BASE-T and 1 x 100/1000BASE-T on-board
Operating Temp.	0°C ~ 55°C
Dimension (W x D x H)	132mm x 202mm x 76mm
Weight	2,45 kg
OS	Windows 10 IoT Enterprise 2021 LTSC, Windows 11 IoT Enterprise 2024 LTSC, Windows Server 2025, TwinCAT/BSD
I/O (Input/Output)	EtherCAT

Learn More

[Beckhoff C6040-0090 Industrial PC](#)

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