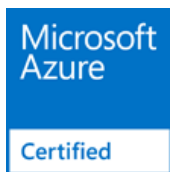




## C6032 | Ultra-compact Industrial PC



The C6032 Industrial PC extends the range of ultra-compact Industrial PCs by a high-performance modular device. The C6032 adds a further circuit board level to the C6030 single-board Industrial PC for accommodation of modular interface and function extensions. With the use of compact PCIe modules the C6032 can be adapted perfectly to the requirement profile of the application. Through the use of Intel® Core™ i processors of the 6th and 7th Generation, the C6032 is prepared for extensive axis controls, complex HMI applications, extremely short cycle times or the handling of large data volumes. The high computing performance, extending up to Core™ i7 with four 3.6 GHz cores, is suitable for virtually every automation and visualisation task.

Both the compact motherboard and the die-cast zinc and aluminium housing have been newly developed in accordance with the familiar high Beckhoff standards such as industrial compatibility, Made in Germany quality, reliability and premium look and feel. In this way Beckhoff once again achieves long-term availability, robustness, flexibility and performance, combined with the well-known universal installation concept, an extremely compact design and a contemporary appearance.

The use of an extremely durable, speed-monitored and controlled fan makes the C6032 suitable for a temperature range of up to 55 °C, depending on the CPU. With dimensions of just 129 mm x 133 mm x 104 mm it is also extremely compact and designed for space-saving installation in the control cabinet. With storage capacity of 40 GB M.2 SSD, 3D flash in the basic configuration, the C6032 is already fully functional. Available options are Windows 7 or Windows 10 operating systems as well as a second M.2 SSD in RAID configuration. There is a choice of eight different CPU types, allowing the C6032 to be perfectly tailored to the individual application. TwinCAT 3, the version of the Beckhoff automation software that was specifically designed for multi-core processors, can use the two-core and four-core processors of this Industrial PC generation as well as its predecessor TwinCAT 2 with single-core support.



Variants	Processor	available
<b>C6032-0070</b>	Intel® Celeron® G4900 3.1 GHz, 2 cores (TC3: 50)	3rd quarter 2020
<b>C6032-0060</b>	Intel® Celeron® G3900 2.8 GHz, 2 cores (TC3: 50)	yes

\*The TwinCAT 3 performance class defines the exact ordering number for the respective TwinCAT 3 product. Please see [here](#) for an overview of the TC3 performance classes.

# C6032-0060 | Ultra-compact Industrial PC

Variants	Processor	available
C6032-0070	Intel® Celeron® G4900 3.1 GHz, 2 cores (TC3: 50)	3rd quarter 2020
C6032-0060	Intel® Celeron® G3900 2.8 GHz, 2 cores (TC3: 50)	yes

\*The TwinCAT 3 performance class defines the exact ordering number for the respective TwinCAT 3 product. Please see [here](#) for an overview of the TC3 performance classes.

C6032-0060	Ultra-compact Industrial PC
Housing	industrial PC for space-saving control cabinet installation
	mounting plate on the rear wall for the free alignment of the connecting area
	all connectors on the same level
	flexible mounting mechanism for the free alignment of the connecting area
	aluminium zinc die-cast housing
	status LEDs
	lithium battery accessible
	2 slots for M.2 SSDs accessible
	2 PCIe compact module slots to plug-in Beckhoff PCIe compact modules ex factory
	controlled fan with speed monitoring and double ball bearings, exchangeable
	5 cm (2") free space required around the PC for air circulation
	protection class IP 20
	operating temperature 0...55 °C
Features	compact dimensions (W x H x D) 129 x 133 x 104 mm (5.1" x 5.2" x 4.1"), without mounting plate
	processor Intel® Celeron® G3900 2.8 GHz, 2 cores (TC3: 50)
	compact motherboard for 6th and 7th Generation Intel® Core™ i3, Core™ i5, Core™ i7, Celeron® or Pentium®
	4 GB DDR4 RAM, expandable to 32 GB, with a 32 bit operating system only 3 GB are addressable.
	graphic adapter integrated inside the Intel® processor, 2 DisplayPort connectors
	on-board Ethernet adapter with 4 x 100/1000BASE-T connector
	on-board SATA RAID 1 controller, Intel® Rapid Storage Technology
	40 GB M.2 SSD, 3D flash, extended temperature range
	4 x USB 3.0
	24 V DC power supply

Options	C6032-0060
C9900-C611	processor 6th Generation Intel® Pentium® G4400, 3.3 GHz, 2 cores (TC3: 50), instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C612	processor 6th Generation Intel® Core™ i3-6100, 3.7 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C615	processor 7th Generation Intel® Core™ i3-7101E, 3.9 GHz, 2 cores (TC3: 60), requires Windows 10, 64 bit or Windows Server 2016, instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C613	processor 6th Generation Intel® Core™ i5-6500, 3.2 GHz, 4 cores (TC3: 70), instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C616	processor 7th Generation Intel® Core™ i5-7500, 3.4 GHz, 4 cores (TC3: 70), requires Windows 10, 64 bit or Windows Server 2016, instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C614	processor 6th Generation Intel® Core™ i7-6700, 3.4 GHz, 4 cores (TC3: 80), instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-C617	processor 7th Generation Intel® Core™ i7-7700, 3.6 GHz, 4 cores (TC3: 80), requires Windows 10, 64 bit or Windows Server 2016, instead of Intel® Celeron® G3900 2.8 GHz (TC3: 50)
C9900-R270	memory extension to 8 GB DDR4 RAM, instead of 4 GB, requires a 64 bit operating system
C9900-R271	memory extension to 16 GB DDR4 RAM, instead of 4 GB, requires a 64 bit operating system
C9900-R272	memory extension to 32 GB DDR4 RAM, instead of 4 GB, requires a 64 bit operating system
C9900-Z468	adapter cable DisplayPort to DVI, 40 cm
FC9082	Gigabit Ethernet PCIe compact module for PCs with Beckhoff PCIe compact module slots, 2-channel, PCI Express x1 bus
C9900-E305	USB 3.0 PCIe compact module <ul style="list-style-type: none"> <li>– 2-port USB 3.0 interfaces</li> <li>– USB transfer rate up to 5 Gbit/s for USB 3.0</li> <li>– compatible to all USB standards</li> <li>– delivers up to 1 A supply current at each USB port</li> <li>– requires Windows Embedded Standard 7, Windows 7 or Windows 10</li> </ul>

<b>C9900-E306</b>	RS232 PCIe compact module for PCs with Beckhoff PCIe module slots, 2-channel, optically linked, 2 sockets ix industrial™ type B. Requires 2 adapter cable C9900-K920 ix industrial™ type B to D-sub, 9-pin.
<b>C9900-K920</b>	adapter cable ix Industrial® type B to D-sub, 9-pin, for RS232 PCIe module C9900-E301 or C9900-E306, length 45 cm
<b>C9900-E312</b>	RS485 PCIe compact module for PCs with Beckhoff PCIe compact module slots, 2-channel, optically linked, 2 sockets ix industrial™ type B. Configuration as an end point without echo: echo off, auto send on, always send off, auto receive on, always receive off, termination on. Requires 2 adapter cable C9900-K922 ix industrial™ type B to D-sub, 9 pin.
<b>C9900-E313</b>	RS422 PCIe compact module for PCs with Beckhoff PCIe compact module slots, 2-channel, optically linked, overload protection, 2 sockets ix industrial™ type B. Configuration as a full duplex end point: echo on, auto send off, always send on, auto receive off, always receive on, termination on. Requires 2 adapter cable C9900-K922 ix industrial™ type B to D-sub, 9 pin.
<b>C9900-K922</b>	adapter cable ix industrial™ type B to D-sub, 9 pin, for RS422/RS485 PCIe module C9900-E309, C9900-E310, C9900-E312 or C9900-E313, length 45 cm
<b>C9900-E307</b>	CP-Link 4 Extender Tx PCIe compact module – CP-Link 4 transmitter module for ex works installation in PC with PCIe compact module slots C6032 – 1 CP-Link 4 output with RJ45 socket for up to 100 m Cat.6 <sub>A</sub> cable for connecting a Control Panel with CP-Link 4 interface CP29xx-0010, CP39xx-0010 or CPX39xx-0010 – CP-Link 4 transfers USB 2.0 with 100 Mbit/s and DVI. – power supply for the Control Panel with connection of 24 V at the Control Panel
<b>C9900-M668</b>	mounting plate at the side wall, instead of plate at the rear wall
<b>C9900-M669</b>	mounting plate for lateral installation of the C603x; single part, not mounted
<b>C9900-H597</b>	80 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x, instead of 40 GB M.2 SSD
<b>C9900-H598</b>	160 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x, instead of 40 GB M.2 SSD
<b>C9900-H616</b>	320 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x, instead of 40 GB M.2 SSD
<b>C9900-H594</b>	40 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x
<b>C9900-H595</b>	80 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x
<b>C9900-H596</b>	160 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x
<b>C9900-H615</b>	320 GB M.2 SSD, 3D flash, extended temperature range, for C603x and C602x