

# C6515-0050 | Fanless built-in Industrial PC

Variants	Processor	available
<b>C6515-0060</b>	Intel® Celeron®, 2 Cores (TC3: 50*) or Intel® Pentium®, 2 Cores (TC3: 50*) or Intel® Core™ i3, 2 Cores (TC3: 60*) or Intel® Core™ i5, 4 Cores (TC3: 70*) or Intel® Core™ i7, 4 Cores (TC3: 80*) (6th/7th generation)	yes
<b>C6515-0050</b>	Intel® Celeron®, 2 Cores (TC3: 50*) or Intel® Core™ i3, 2 Cores (TC3: 60*) or Intel® Core™ i5, 2 Cores (TC3: 70*) or Intel® Core™ i7, 4 Cores (TC3: 80*) (4th generation)	yes
<b>C6515-0040</b>	Intel® Celeron®, 2 Cores (TC3: 50*) or Intel® Core™ i3, 2 Cores (TC3: 60*) or Intel® Core™ i5, 2 Cores (TC3: 70*) or Intel® Core™ i7, 4 Cores (TC3: 80*)	No longer available

\*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.

C6515-0050	Built-in Industrial PC
<b>Housing</b>	<p>built-in Industrial PC with external cooling to be mounted in the back panel of a control housing or in the wall of a control cabinet</p> <p>2 slots for CFast</p> <p>CFast card and lithium battery of the system clock easily exchangeable</p> <p>passive cooling through heat sink structure outside</p> <p>20 cm free space required around the heat sink of the PC for air circulation</p> <p>protection class outside IP 65, inside IP 20</p> <p>operating temperature outside 0...45 °C, inside 0...55 °C</p> <p>weight of the basic configuration 3 kg (6.61 lbs)</p> <p>dimensions (W x H x D) 240 x 230 x 81 mm (9.5" x 9.1" x 3.2")</p>
<b>Features</b>	<p>processor Intel® Celeron® 2000E 2.2 GHz, 2 cores (TC3: 50)</p> <p>3½-inch motherboard for 4th Generation Intel® Core™ i3, Core™ i5, Core™ i7 or Celeron®</p> <p>1 free Mini PCI slot for NOVRAM cards installed ex factory</p> <p>2 GB DDR3L RAM, expandable to 16 GB</p> <p>graphic adapter integrated inside the Intel® processor, 1 DVI connector</p> <p>on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector</p> <p>on-board SATA RAID 1 controller, Intel® Rapid Storage Technology</p> <p>4 GB CFast card, extended temperature range</p> <p>1 serial port RS232, 2 USB 3.0 ports and 2 USB 2.0 ports</p> <p>24 V DC power supply</p>

Options	C6515-0050
<b>C9900-C562</b>	processor 4th Generation Intel® Core™ i3 4100E, 2.4 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
<b>C9900-C570</b>	processor 4th Generation Intel® Core™ i3 4110E, 2.6 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
<b>C9900-C563</b>	processor 4th Generation Intel® Core™ i5 4400E, 2.7 GHz, 2 cores (TC3: 70), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
<b>C9900-C571</b>	processor 4th Generation Intel® Core™ i5 4410E, 2.9 GHz, 2 cores (TC3: 70), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
<b>C9900-C564</b>	processor 4th Generation Intel® Core™ i7 4700EQ, 2.4 GHz, 4 cores (TC3: 80), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
<b>C9900-R257</b>	memory extension to 4 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system or only 3 GB are addressable
<b>C9900-R258</b>	memory extension to 8 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
<b>C9900-R259</b>	memory extension to 16 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
<b>C9900-B502</b>	2 PCIe module slots integrated inside C6515, to plug-in Beckhoff PCIe modules or to lead out interfaces of the motherboard ex factory. The depth of the inner enclosure cover is increased by 26 mm (1").
<b>FC9071-0000</b>	Gigabit Ethernet PC interface card, 10/100/1000 Mbit/s, 1-channel, PCIe interface, occupies the connecting area of the Mini PCI card
<b>C9900-R230</b>	memory module NOVRAM for fail-safe storage of process data, 128 kB, Mini PCI plug-in card
<b>C9900-R231</b>	memory module NOVRAM for fail-safe storage of process data, 256 kB, Mini PCI plug-in card

C9900-R232	memory module NOVRAM for fail-safe storage of process data, 512 kB, Mini PCI plug-in card
C9900-H586	30 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
C9900-H590	60 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
C9900-H559	8 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H560	16 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H567	32 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H571	64 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H583	30 GB CFast card, 3D flash, extended temperature range
C9900-H587	60 GB CFast card, 3D flash, extended temperature range
C9900-H550	4 GB CFast card, SLC flash, extended temperature range
C9900-H551	8 GB CFast card, SLC flash, extended temperature range
C9900-H552	16 GB CFast card, SLC flash, extended temperature range
C9900-H563	32 GB CFast card, SLC flash, extended temperature range
C9900-H568	64 GB CFast card, SLC flash, extended temperature range
C9900-U209	uninterruptible power supply UPS, integrated into the 24 V power supply, without battery, occupies one internal serial Interface
C9900-U330	battery pack for PCs with 24 V power supply and integrated UPS C9900-P209 or C9900-U209, external, for DIN rail mounting, 3.4 Ah, operating temperature 0...50 °C



C6515-0040 with PCIe module slots

C6515-0050	Options for C6515 with 2 module slots C9900-B502
FC9062	Gigabit Ethernet PCIe module for PCs with Beckhoff PCIe module slots, 2-channel, PCI Express x1 bus
C9900-E277	USB 3.0 PCIe module - 2-port USB 3.0 interfaces - USB transfer rate up to 5 Gbit/s for USB 3.0 - compatible to all USB standards - delivers up to 1 A supply current at each USB port
C9900-E159	Serial port RS232, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket.
C9900-E188	Serial port RS485, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket. Configuration as an end point without echo: echo off, auto send on, always send off, auto receive on, always receive off, termination on
C9900-E189	Serial port RS422, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket. Configuration as a full duplex end point: echo on, auto send off, always send on, auto receive off, always receive on, termination on
C9900-E232	sound line input and sound line output of the motherboard led out at the connection section of a C5210, C65x5, CP22xx or CP62xx
C9900-E233	1 serial port RS232 of the motherboard led out at the connection section of a C5210, C65x5, CP2xxx, CP62xx or CP67xx-xxxx-0040/-0050
C9900-E234	2 USB ports of the motherboard led out at the connection section of a C5210, C65x5, CP2xxx, CP62xx or CP67xx-xxxx-0040/-0050
C9900-E237	additional DVI-D plug led out on a module bracket