

C6525-0050 | Fanless built-in Industrial PC

Variants	Processor	available
C6525-0060	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
C6525-0050	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
C6525-0040	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.

C6525-0050	Built-in Industrial PC
Housing	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
	1 slot for 2½-inch hard disk or SSD and 1 slot for CFast
	hard disk, SSD, CFast and lithium battery of the system clock easily exchangeable
	passive cooling through heat sink structure outside
	20 cm free space required around the heat sink of the PC for air circulation
	protection class outside IP 65, inside IP 20
	operating temperature outside 0...45 °C, inside 0...55 °C
	weight of the basic configuration 5.9 kg (13.0 lbs)
	dimensions (W x H x D) 330 x 275 x 82 mm (13" x 10.8" x 3.2")
	Features
3½-inch motherboard for 4th Generation Intel® Core™ i3, Core™ i5, Core™ i7 or Celeron®	
1 Mini PCI slot free for cards installed ex factory	
2 GB DDR3L RAM, expandable to 16 GB	
graphic adapter integrated inside the Intel® processor, 1 DVI connector	
on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector	
on-board SATA RAID 1 controller, Intel® Rapid Storage Technology	
hard disk, 2½-inch, 320 GB	
1 serial port RS232, 2 USB 3.0 ports and 2 USB 2.0 ports	
24 V DC power supply	

Options	C6525-0050
C9900-C562	processor 4th Generation Intel® Core™ i3 4100E, 2.4 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
C9900-C570	processor 4th Generation Intel® Core™ i3 4110E, 2.6 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
C9900-C563	processor 4th Generation Intel® Core™ i5 4400E, 2.7 GHz, 2 cores (TC3: 70), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
C9900-C571	processor 4th Generation Intel® Core™ i5 4410E, 2.9 GHz, 2 cores (TC3: 70), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
C9900-C564	processor 4th Generation Intel® Core™ i7 4700EQ, 2.4 GHz, 4 cores (TC3: 80), instead of Intel® Celeron® 2000E 2.2 GHz (TC3: 50)
C9900-R257	memory extension to 4 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system or only 3 GB are addressable
C9900-R258	memory extension to 8 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
C9900-R259	memory extension to 16 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
C9900-B503	2 PCIe module slots integrated inside C6525, 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 27 mm (1.1").
C9900-B505	2 PCIe plug-in card slots on the passive backplane integrated inside C6525, to plug-in PCIe x1 cards up to 190 mm (7.5") length. The depth of the inner enclosure cover is increased by 58 mm (2.3").
C9900-B509	2 PCI plug-in card slots on the passive backplane integrated inside C6525, to plug-in PCI cards up to 190 mm (7.5") length, the depth of the inner enclosure cover is increased by 58 mm (2.3").

C9900-B513	1 PCI and 1 PCIe plug-in card slot on a passive backplane integrated inside C6525, to plug-in one PCI and one PCIe x1 card up to 190 mm (6.3") length. The depth of the back cover is increased by 58 mm (2.3").
C9900-E238	additional DVI-D plug led out on a slot bracket, only for PCs with plug-in card slots
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
FC9071-0000	Gigabit Ethernet PC interface card, 10/100/1000 Mbit/s, 1-channel, PCIe interface, occupies the connecting area of the Mini PCI card
C9900-R230	memory module NOVRAM for fail-safe storage of process data, 128 kB, Mini PCI plug-in card
C9900-R231	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-H742	solid-state disk SSD, 3D flash, 2½-inch, 120 GB, instead of 2½-inch hard disk
C9900-H750	solid-state disk SSD, 3D flash, 2½-inch, 240 GB, instead of 2½-inch hard disk
C9900-H746	solid-state disk SSD, 3D flash, 2½-inch, 480 GB, instead of 2½-inch hard disk
C9900-H701	solid-state disk SSD, SLC flash, 2½-inch, 32 GB, instead of 2½-inch hard disk
C9900-H706	solid-state disk SSD, SLC flash, 2½-inch, 64 GB, instead of 2½-inch hard disk
C9900-H736	solid-state disk SSD, SLC flash, 2½-inch, 128 GB, instead of 2½-inch hard disk
C9900-D191	PC with 2 slots for 2½-inch hard disks or SSDs, instead of 1 slot for a hard disk or SSD and 1 slot for CFast
C9900-H145	additional hard disk, 2½-inch, 320 GB
C9900-H741	solid-state disk SSD, 3D flash, 2½-inch, 120 GB
C9900-H749	solid-state disk SSD, 3D flash, 2½-inch, 240 GB
C9900-H745	solid-state disk SSD, 3D flash, 2½-inch, 480 GB
C9900-H700	solid-state disk SSD, SLC flash, 2½-inch, 32 GB
C9900-H705	solid-state disk SSD, SLC flash, 2½-inch, 64 GB
C9900-H735	solid-state disk SSD, SLC flash, 2½-inch, 128 GB
C9900-D190	2 slots for CFast cards, instead of 1 slot for a 2½-inch hard disk or SSD and 1 slot for CFast
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-H584	30 GB CFast card, 3D flash, extended temperature range, instead of 2½-inch hard disk
C9900-H588	60 GB CFast card, 3D flash, extended temperature range, instead of 2½-inch hard disk
C9900-H553	4 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk, less price
C9900-H554	8 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk, less price
C9900-H555	16 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk
C9900-H565	32 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk
C9900-H569	64 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk
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

C6525-0050	Options for C6525 with 2 module slots C9900-B503
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-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