

# CP65xx-xxxx-0080 | Built-in Panel PC

## The universal built-in Industrial PC with ATX motherboard

Variants	Processor	available
CP65xx-xxxx-0070	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*)	yes, but not recommended for new projects
CP65xx-xxxx-0080	Intel® Pentium®, 2 Cores (TC3: 50*) or Intel® Core™ i3, 2 Cores (TC3: 60*) or Intel® Core™ i5, 2 Cores (TC3: 70*) or Intel® Core™ i5, 4 Cores (TC3: 70*) or Intel® Core™ i7, 4 Cores (TC3: 80*) (4th generation)	yes
CP65xx-xxxx-0090	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

\*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.

CP65xx-xxxx-0080	Built-in Panel PC
<b>Housing</b>	7-slot ATX housing
	all slots for plug-in cards with a length of up to 190 mm
	drives and plug-in cards easily accessible
	all connectors on the top
	detailed PC configuration information on the housing
	card holders, actuated without tools
	status LEDs and protected reset key
	pull-out clamping levers for fast installation without loose parts
	protection class front side IP 65, rear side IP 20
	operating temperature 0...55 °C
<b>Front panel</b>	TFT display in three sizes <ul style="list-style-type: none"> <li>– 12-inch display 800 x 600</li> <li>– 15-inch display 1024 x 768</li> <li>– 19-inch display 1280 x 1024</li> </ul>
	front laminate in five variants <ul style="list-style-type: none"> <li>– only display</li> <li>– function keys and 10 PLC special keys with LED</li> <li>– numeric keyboard and 10 PLC special keys with LED</li> <li>– alphanumeric PC keyboard in US layout and 10 PLC special keys with LED</li> <li>– alphanumeric PC keyboard in US layout and 16 PLC special keys with LED on the sides</li> </ul>
	special keys identified by slide-in labels
	processor Intel® Pentium® G3320TE 2.3 GHz, 2 cores (TC3: 50)
	ATX motherboard for 4th Generation Intel® Core™ i3, Core™ i5, Core™ i7 or Pentium®
	2 PCIe x1 slots, 1 PCIe x4 slot, 1 PCIe x16 slot and 3 PCI slots free
2 GB DDR3L RAM, expandable to 32 GB	
<b>Features</b>	Graphic adapter integrated inside the Intel® processor, 2 DVI and 1 DisplayPort connector. 1 DVI connector is occupied by the display in the front.
	on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector
	on-board SATA RAID 1 controller, Intel® Rapid Storage Technology
	hard disk, 3½-inch, 1 TB
	4 serial ports RS232 on-board, 1 of these RS232 ports is led out with D-sub 9 connector; 10 USB 2.0, 2 of these USB ports are led out; 2 USB 3.0 ports are led out
	PS/2 keyboard socket and PS/2 mouse socket
	100–240 V AC full range power supply

Options	CP65xx-xxxx-0080
C9900-C559	processor 4th Generation Intel® Core™ i3 4330TE, 2.4 GHz, 2 cores (TC3: 60), instead of Intel® Pentium® G3320TE 2.3 GHz (TC3: 50)
C9900-C568	processor 4th Generation Intel® Core™ i3 4350T, 3.1 GHz, 2 cores (TC3: 60), instead of Intel® Pentium® G3320TE 2.3 GHz (TC3: 50)
C9900-C560	processor 4th Generation Intel® Core™ i5 4570TE, 2.7 GHz, 2 cores (TC3: 70), instead of Intel® Pentium® G3320TE 2.3 GHz (TC3: 50)
C9900-C569	processor 4th Generation Intel® Core™ i5 4590T, 2.0 GHz, 4 cores (TC3: 70), instead of Intel® Pentium® G3320TE 2.3 GHz (TC3: 50)
C9900-C561	processor 4th Generation Intel® Core™ i7 4770TE, 2.3 GHz, 4 cores (TC3: 80), instead of Intel® Pentium® G3320TE 2.3 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-R260	memory extension to 32 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
C9900-T902	touch screen pen with wall holder for CP6xxx, C33xx and C36xx
C9900-E195	2 USB ports of the motherboard led out in one slot bracket
C9900-E166	2 serial interfaces RS232 of the motherboard led out with 2 D-sub 9-pin connectors in one slot bracket
C9900-E203	1 serial port RS232 from the motherboard led out with one D-sub, 9-pin connector in one slot bracket
C9900-E209	Module to optically link one serial RS232 port of the motherboard, with overload protection, D-sub, 9-pin, to be mounted inside of slot bracket C9900-M568, C9900-M569 or inside a C66xx at the connector bracket C9900-M571. A bracket is required.
C9900-E210	Module to convert one serial RS232 port of the motherboard into RS485, configured as an end point without echo, D-sub, 9-pin, optically linked, overload protection, to be mounted inside the slot brackets C9900-M568, C9900-M569 or inside a C66xx at the connector bracket C9900-M571. A slot bracket is required.
C9900-E211	Module to convert one serial RS232 port of the motherboard into RS422, configured as a full duplex end point, D-sub, 9-pin, optically linked, overload protection, to be mounted inside the slot brackets C9900-M568, C9900-M569 or inside a C66xx at the connector bracket C9900-M571. A bracket is required.
C9900-M568	Slot bracket for one serial port C9900-E209, C9900-E210 or C9900-E211. Can be ordered only together with one module.
C9900-M569	Slot bracket for two serial ports C9900-E209, C9900-E210 or C9900-E211. Can be ordered only together with two modules.
C9900-H754	solid-state disk SSD, 3D flash, 2½-inch, 120 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-H755	solid-state disk SSD, 3D flash, 2½-inch, 240 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-H756	solid-state disk SSD, 3D flash, 2½-inch, 480 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-H704	solid-state disk SSD, SLC flash, 2½-inch, 32 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-H709	solid-state disk SSD, SLC flash, 2½-inch, 64 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-H740	solid-state disk SSD, SLC flash, 2½-inch, 128 GB, with mounting adapter, instead of 3½-inch hard disk
C9900-D192	slot for 1 CFast card, SATA connector, for installation into a plug-in card slot
C9900-H585	30 GB CFast card, 3D flash, extended temperature range, instead of 3½-inch hard disk
C9900-H589	60 GB CFast card, 3D flash, extended temperature range, instead of 3½-inch hard disk
C9900-H556	4 GB CFast card, SLC flash, extended temperature range, instead of 3½-inch hard disk, less price
C9900-H557	8 GB CFast card, SLC flash, extended temperature range, instead of 3½-inch hard disk, less price
C9900-H558	16 GB CFast card, SLC flash, extended temperature range, instead of 3½-inch hard disk
C9900-H566	32 GB CFast card, SLC flash, extended temperature range, instead of 3½-inch hard disk
C9900-H570	64 GB CFast card, SLC flash, extended temperature range, instead of 3½-inch hard disk
C9900-H201	hard disk drive, 3½-inch, 2 TB, instead of hard disk 1 TB
C9900-H202	hard disk drive, 3½-inch, 4 TB, instead of hard disk 1 TB, requires a 64 bit operating system and UEFI instead of BIOS
C9900-B528	BIOS for booting from storage media bigger than 2 TB, UEFI activated
C9900-D102	CD/DVD-ROM drive slimline
C9900-D118	multi DVD drive slimline, reads CD-ROM and DVD-ROM, reads and writes CD-R/-RW, DVD-R/+R/-RW/+RW 4.7 GB and DVD-R/+R DL 8.5 GB
C9900-P208	24 V DC power supply, instead of 100–240 V AC full range power supply, occupies one serial port
C9900-P209	24 V DC power supply with integrated UPS, instead of 100–240 V AC full range power supply, occupies one serial port
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
C9900-U120	uninterruptible power supply UPS, external, 230 V
C9900-U122	uninterruptible power supply UPS, external, 115 V
C9900-M623	wall mounting frame for uninterruptible power supply C9900-U120, C9900-U122 and C9900-U124
C9900-xxxx	Flash cards, PCI and PCIe cards as listed in the attachment. Examples: Compact Flash, CFast, fieldbus interface, network adapter, serial interface card, modem

CP65xx-xxxx-0080	Built-in Panel PCs
CP6501-0000-0080	12-inch display 800 x 600 without keys
CP6501-0001-0080	12-inch display 800 x 600 without keys, touch screen
CP6501-0020-0080	12-inch display 800 x 600 without keys, USB A socket in the front
CP6501-0021-0080	12-inch display 800 x 600 without keys, USB A socket in the front, touch screen
CP6511-0000-0080	12-inch display 800 x 600 function keys
CP6511-0001-0080	12-inch display 800 x 600 function keys, touch screen
CP6521-0000-0080	12-inch display 800 x 600 numeric keyboard
CP6521-0001-0080	12-inch display 800 x 600 numeric keyboard, touch screen
CP6521-0002-0080	12-inch display 800 x 600 numeric keyboard, touch pad
CP6531-0000-0080	12-inch display 800 x 600 alphanumeric keyboard
CP6531-0001-0080	12-inch display 800 x 600 alphanumeric keyboard, touch screen
CP6531-0002-0080	12-inch display 800 x 600 alphanumeric keyboard, touch pad
CP6502-0000-0080	15-inch display 1024 x 768 without keys
CP6502-0001-0080	15-inch display 1024 x 768 without keys, touch screen
CP6502-0020-0080	15-inch display 1024 x 768 without keys, USB A socket in the front
CP6502-0021-0080	15-inch display 1024 x 768 without keys, USB A socket in the front, touch screen
CP6512-0000-0080	15-inch display 1024 x 768 function keys
CP6512-0001-0080	15-inch display 1024 x 768 function keys, touch screen
CP6522-0000-0080	15-inch display 1024 x 768 numeric keyboard
CP6522-0001-0080	15-inch display 1024 x 768 numeric keyboard, touch screen
CP6522-0002-0080	15-inch display 1024 x 768 numeric keyboard, touch pad
CP6532-0000-0080	15-inch display 1024 x 768 alphanumeric keyboard
CP6532-0001-0080	15-inch display 1024 x 768 alphanumeric keyboard, touch screen
CP6532-0002-0080	15-inch display 1024 x 768 alphanumeric keyboard, touch pad
CP6542-0000-0080	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides
CP6542-0001-0080	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides, touch screen
CP6503-0000-0080	19-inch display 1280 x 1024 without keys
CP6503-0001-0080	19-inch display 1280 x 1024 without keys, touch screen
CP6503-0020-0080	19-inch display 1280 x 1024 without keys, USB A socket in the front
CP6503-0021-0080	19-inch display 1280 x 1024 without keys, USB A socket in the front, touch screen
CP6513-0000-0080	19-inch display 1280 x 1024 function keys
CP6513-0001-0080	19-inch display 1280 x 1024 function keys, touch screen
CP6523-0000-0080	19-inch display 1280 x 1024 numeric keyboard
CP6523-0001-0080	19-inch display 1280 x 1024 numeric keyboard, touch screen
CP6523-0002-0080	19-inch display 1280 x 1024 numeric keyboard, touch pad
CP6533-0000-0080	19-inch display 1280 x 1024 alphanumeric keyboard

CP6533-0001-0080	19-inch display 1280 x 1024 alphanumeric keyboard, touch screen
CP6533-0002-0080	19-inch display 1280 x 1024 alphanumeric keyboard, touch pad