

CP32xx-0010 | "Economy" Panel PC

The Industrial PC with mounting arm and 3½-inch motherboard

Variants	Processor	available
CP32xx-0000	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
CP32xx-0010	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
CP32xx-0020	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.

CP32xx-0010	"Economy" Panel PC
Housing	Industrial PC with Control Panel for mounting arm installation
	rotatable and tiltable mounting arm adapter for Rittal and Roolec mounting arm systems with 48 mm tube from top
	wiring area for up to 6 IP 65 connectors
	1 slot for one 2½-inch hard disk or SSD and 1 slot for one CFast card
	lithium battery of the system clock, changeable from outside
	passive cooling through heat sink; internal fan for equal heat distribution to all the walls of the housing
	20 cm free space required around the PC for air circulation
Front panel	protection class IP 65
	operating temperature 0...45 °C
	TFT display in seven sizes
	– 12-inch display 800 x 600
	– 15-inch display 1024 x 768
	– 15.6-inch display 1366 x 768
	– 18.5-inch display 1366 x 768
– 19-inch display 1280 x 1024	
– 21.5-inch display 1920 x 1080	
– 24-inch display 1920 x 1080	
Features	multi-finger touch screen
	processor Intel® Celeron® 2000E 2.2 GHz, 2 cores (TC3: 50)
	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-D port occupied by the display in the front
	on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector, one Ethernet port led out ex factory
	on-board SATA RAID 1 controller, Intel® Rapid Storage Technology
	hard disk, 2½-inch, 320 GB
	M23 built-in socket for power supply and 1 Harting push-pull Ethernet built-in socket 100/1000BASE-T in the wiring area
24 V DC power supply	

Options	CP32xx-0010
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-B519	1 PCIe module slot integrated inside CP32xx or CP37xx, to plug-in Beckhoff PCIe modules
C9900-E282	2 IP 65 connectors in the wiring area of a CP32xx, led out with PCIe module FC9062. 2 gigabit Ethernet interfaces. Harting push-pull Ethernet sockets. Requires a PCIe module slot C9900-B519
C9900-M184	mounting arm adapter for Panel PC CP32xx or CP37xx, for Rittal and Rolec mounting arm systems with 48 mm tube from bottom instead of from top
C9900-M406	Toolboard for keyboard or tools, mounted under a Control Panel or Panel PC CP3xxx, with integrated USB socket IP 65 at the back side, can only be ordered in combination with the Control Panel or Panel PC.
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-E185	IP 65 connector in the wiring area of a CP32xx, CP37xx, CPX37xx or CP72xx for the second on-board Ethernet adapter, Harting push-pull Ethernet socket
C9900-E186	IP 65 connector M12 in the wiring area of a CP32xx, CP37xx or CP72xx for one serial interface RS232
C9900-E248	IP 65 connector M12 in the wiring area of a CP32xx, CP37xx or CP72xx for one serial interface RS422, optically linked, overload protection. Configuration as a full duplex end point: echo on, auto send off, always send on, auto receive off, always receive on, termination on
C9900-E261	IP 65 connector M12 in the wiring area of a CP32xx, CP37xx or CP72xx for one serial interface RS485, optically linked, overload protection. Configuration as an end point without echo: echo off, auto send on, always send off, auto receive on, always receive off, termination on
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-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-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-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-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

Options	To connect a keyboard to the PC, e.g. at commissioning, one of the following USB sockets is required:
C9900-E279	1-port USB 3.0 connector with IP 65 screw cap in the sidewall of the CP32xx-0010 or CP37xx-0010 PC housing
C9900-E283	IP 65 connector in the wiring area of a CP32xx, CP37xx or CP72xx for a USB 3.0 port, Harting push-pull USB 3.0 socket
C9900-E187	IP 65 connector M12 in the wiring area of a CP32xx, CP37xx or CP72xx for one USB 2.0 port
C9900-E190	USB-A in the wiring area of a CP32xx, CP37xx or CP72xx for one USB 2.0 port, including covering cap IP 65

Accessories	Power supply cable with IP 65 connector
C9900-K271	power supply cable IP 65 for CP32xx, CP37xx or CP72xx up to 19-inch display, length 5 m, assembled, M23 connector, screw type, 8 wires, second end open
C9900-K275	power supply cable IP 65 for CP32xx, CP37xx up to 24-inch display and CP7204, length 5 m, assembled, M23 connector, screw type, 12 wires, second end open
C9900-K272	power supply cable IP 65 for CP32xx, CP37xx or CP72xx up to 19-inch display, length 10 m, assembled, M23 connector, screw type, 8 wires, second end open
C9900-K276	power supply cable IP 65 for CP32xx, CP37xx up to 24-inch display and CP7204, length 10 m, assembled, M23 connector, screw type, 12 wires, second end open
C9900-K277	power supply cable IP 65 for CP32xx, CP37xx or CP72xx up to 19-inch display, length 20 m, assembled, M23 connector, screw type, 12 wires, second end open

Accessories	Network cable with IP 65 connector
C9900-K281	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 3 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K282	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 5 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K283	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 10 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K284	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 15 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K285	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 20 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K286	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 30 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K287	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 40 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20
C9900-K288	network cable for CP32xx, CP37xx, CPX37xx and CP72xx, length 50 m, assembled, Harting push-pull Ethernet connector IP 65, second end RJ45, IP 20

Accessories	USB cable with IP 65 connector
C9900-K291	USB 2.0 cable for CP32xx, CP37xx or CP72xx, length 3 m, assembled, M12 connector IP 65, screw type, 4-pin, second end USB B connector
C9900-K292	USB 2.0 cable for CP32xx, CP37xx or CP72xx, length 5 m, assembled, M12 connector IP 65, screw type, 4-pin, second end USB B connector
C9900-K306	USB 3.0 cable for CP32xx, CP37xx or CP72xx, length 3 m, assembled, Harting push-pull USB 3.0 connector IP 65, second end USB-B connector IP 20

Accessories	Serial interface cable RS232 with IP 65 connector
C9900-K295	serial interface cable RS232 for CP32xx, CP37xx or CP72xx, length 3 m, assembled, M12 connector IP 65, screw type, 12-pin, second end D-sub, 9-pin plug
C9900-K296	serial interface cable RS232 for CP32xx, CP37xx or CP72xx, length 5 m, assembled, M12 connector IP 65, screw type, 12-pin, second end D-sub, 9-pin plug
C9900-K297	serial interface cable RS232 for CP32xx, CP37xx or CP72xx, length 10 m, assembled, M12 connector IP 65, screw type, 12-pin, second end D-sub, 9-pin plug

CP32xx-0010	Multi-touch Panel PCs
CP3212-0010	12-inch display 800 x 600 Multi-finger touch screen
CP3215-0010	15-inch display 1024 x 768 Multi-finger touch screen
CP3216-0010	15.6-inch display 1366 x 768 Multi-finger touch screen
CP3218-0010	18.5-inch display 1366 x 768 Multi-finger touch screen
CP3219-0010	19-inch display 1280 x 1024 Multi-finger touch screen
CP3221-0010	21.5-inch display 1920 x 1080 Multi-finger touch screen
CP3224-0010	24-inch display 1920 x 1080 Multi-finger touch screen