

# CP72xx-xxxx-0060 | "Economy" Panel PC

## The Industrial PC with mounting arm and 3½-inch motherboard

Variants	Processor	available
CP72xx-xxxx-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*)	yes, but not recommended for new projects
CP72xx-xxxx-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
CP72xx-xxxx-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

\*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.

CP72xx-xxxx-0060	"Economy" Panel PC	
<b>Housing</b>	Industrial PC with Control Panel for mounting arm installation	
	rotatable mounting arm adapter for Rittal and Rolec 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 structure between Control Panel and add-on PC, internal fan for equal heat distribution to all the walls of the housing	
	20 cm free space required around the PC for air circulation	
	protection class IP 65	
	operating temperature 0...45 °C	
	<b>Front panel</b>	TFT display in three sizes – 12-inch display 800 x 600 – 15-inch display 1024 x 768 – 19-inch display 1280 x 1024
front laminate in five variants – only display – function keys and 10 PLC special keys with LED – numeric keyboard and 10 PLC special keys with LED – alphanumeric PC keyboard in US layout and 10 PLC special keys with LED – alphanumeric PC keyboard in US layout and 16 PLC special keys with LED on the sides		
special keys identified by slide-in labels		
<b>Features</b>		processor Intel® Celeron® G3900TE 2.3 GHz, 2 cores (TC3: 50)
		3½-inch 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, 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	CP72xx-xxxx-0060
C9900-C607	processor 6th Generation Intel® Pentium® G4400TE, 2.4 GHz, 2 cores (TC3: 50), instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C608	processor 6th Generation Intel® Core™ i3-6100TE, 2.7 GHz, 2 cores (TC3: 60), instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C618	processor 7th Generation Intel® Core™ i3-7101(T)E, 3.4 GHz, 2 cores (TC3: 60), requires Windows 10, 64 bit, instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C609	processor 6th Generation Intel® Core™ i5-6500TE, 2.3 GHz, 4 cores (TC3: 70), instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C619	processor 7th Generation Intel® Core™ i5-7500(T), 2.7 GHz, 4 cores (TC3: 70), requires Windows 10b 64 bit, instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C610	processor 6th Generation Intel® Core™ i7-6700TE, 2.4 GHz, 4 cores (TC3: 80), instead of Intel® Celeron® G3900TE 2.3 GHz (TC3: 50)
C9900-C620	processor 7th Generation Intel® Core™ i7-7700(T), 2.9 GHz, 4 cores (TC3: 80), requires Windows 10, 64 bit, instead of Intel® Celeron® G3900TE 2.3 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-T900	touch screen pen with holder for CP7xxx
C9900-M161	rotatable mounting arm adapter for Panel PC CP72xx, for Rittal and Roolec mounting arm systems with 48 mm tube from bottom instead of from top
C9900-M162	rotatable and tiltable mounting arm adapter for Panel PC CP72xx, for Rittal and Roolec mounting arm systems with 48 mm tube from top, instead of rotatable mounting arm adapter
C9900-M163	rotatable and tiltable mounting arm adapter for Panel PC CP72xx, for Rittal and Roolec mounting arm systems with 48 mm tube from bottom, instead of rotatable mounting arm adapter
C9900-M164	Panel PC CP72xx without mounting arm adapter with open connecting area, connectors at the bottom, for mounting 4 threaded holes M6 x 18 in the Control Panel rearwall, instead of Panel PC with mounting arm adapter, less price
C9900-M169	Panel PC CP72xx without mounting arm adapter with open connecting area, connectors on top, for mounting 4 threaded holes M6 x 18 in the Control Panel rearwall, instead of Panel PC with mounting arm adapter, less price
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-E213	RFID reader for Legic transponder inside the front of a Panel PC CP7102, CP7202 or CP7702 or of a Control Panel CP7802 or CP7902, integrated behind the front laminate, protection class IP 65, connected internally via USB, requires Windows Embedded Standard, Windows XP Professional or Windows 7.
C9900-E214	RFID reader for Legic transponder inside the front of a Panel PC CP7103, CP7203 or CP7703 or of a Control Panel CP7803 or CP7903, integrated behind the front laminate, protection class IP 65, connected internally via USB, requires Windows Embedded Standard, Windows XP Professional or Windows 7.
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-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-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

C9900-M400	Toolboard for keyboard or tools, mounted under a Control Panel or Panel PC CP7xxx, can be ordered only together with the Control Panel or Panel PC.
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Options	To connect a keyboard to the PC, e.g. at commissioning, one of the following USB sockets is required:
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
C9900-E169	2-port USB socket inside the Control Panel or Panel PC backplane, DIN 8-pin with screw-on cap IP 65 with adapter cable from DIN 8-pin to 2 x USB, inside a Panel PC backplane only 2 USB ports are possible.
C9900-E215	1-port USB socket inside the Control Panel or Panel PC backplane, USB-A socket with screw-on cap IP 65, inside a Panel PC backplane only one USB socket is possible.
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

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-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-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

CP72xx-xxxx-0060	"Economy" Panel PCs
CP7201-0000-0060	12-inch display 800 x 600 without keys
CP7201-0001-0060	12-inch display 800 x 600 without keys, touch screen
CP7201-0020-0060	12-inch display 800 x 600 without keys, USB A socket in the front
CP7201-0021-0060	12-inch display 800 x 600 without keys, USB A socket in the front, touch screen
CP7211-0000-0060	12-inch display 800 x 600 function keys
CP7211-0001-0060	12-inch display 800 x 600 function keys, touch screen
CP7221-0000-0060	12-inch display 800 x 600 numeric keyboard
CP7221-0001-0060	12-inch display 800 x 600 numeric keyboard, touch screen
CP7221-0002-0060	12-inch display 800 x 600 numeric keyboard, touch pad
CP7231-0000-0060	12-inch display 800 x 600 alphanumeric keyboard

CP7231-0001-0060	12-inch display 800 x 600 alphanumeric keyboard, touch screen
CP7231-0002-0060	12-inch display 800 x 600 alphanumeric keyboard, touch pad
CP7202-0000-0060	15-inch display 1024 x 768 without keys
CP7202-0001-0060	15-inch display 1024 x 768 without keys, touch screen
CP7202-0020-0060	15-inch display 1024 x 768 without keys, USB A socket in the front
CP7202-0021-0060	15-inch display 1024 x 768 without keys, USB A socket in the front, touch screen
CP7212-0000-0060	15-inch display 1024 x 768 function keys
CP7212-0001-0060	15-inch display 1024 x 768 function keys, touch screen
CP7222-0000-0060	15-inch display 1024 x 768 numeric keyboard
CP7222-0001-0060	15-inch display 1024 x 768 numeric keyboard, touch screen
CP7222-0002-0060	15-inch display 1024 x 768 numeric keyboard, touch pad
CP7232-0000-0060	15-inch display 1024 x 768 alphanumeric keyboard
CP7232-0001-0060	15-inch display 1024 x 768 alphanumeric keyboard, touch screen
CP7232-0002-0060	15-inch display 1024 x 768 alphanumeric keyboard, touch pad
CP7242-0000-0060	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides
CP7242-0001-0060	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides, touch screen
CP7203-0000-0060	19-inch display 1280 x 1024 without keys
CP7203-0001-0060	19-inch display 1280 x 1024 without keys, touch screen
CP7203-0020-0060	19-inch display 1280 x 1024 without keys, USB A socket in the front
CP7203-0021-0060	19-inch display 1280 x 1024 without keys, USB A socket in the front, touch screen
CP7213-0000-0060	19-inch display 1280 x 1024 function keys
CP7213-0001-0060	19-inch display 1280 x 1024 function keys, touch screen
CP7223-0000-0060	19-inch display 1280 x 1024 numeric keyboard
CP7223-0001-0060	19-inch display 1280 x 1024 numeric keyboard, touch screen
CP7223-0002-0060	19-inch display 1280 x 1024 numeric keyboard, touch pad
CP7233-0000-0060	19-inch display 1280 x 1024 alphanumeric keyboard
CP7233-0001-0060	19-inch display 1280 x 1024 alphanumeric keyboard, touch screen
CP7233-0002-0060	19-inch display 1280 x 1024 alphanumeric keyboard, touch pad