

# CP22xx-0020 | Multi-touch built-in Panel PC

Variants	Processor	available
CP22xx-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
CP2211-0020	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, but not recommended for new projects
CP22xx-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
CP2211-0010	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, but not recommended for new projects
CP22xx-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*)	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.

CP22xx-0020	Multi-touch built-in Panel PC
Housing	aluminium housing with glass front
	all connectors at the bottom of the rear side
	PC to be opened from the back side
	all components easily accessible
	1 slot for one 2½-inch hard disk or SSD and 1 slot for one CFast card, accessible from outside
	2 connector brackets to lead out interfaces of the motherboard at the connection section
	fan cartridge at the PC top side, accessible from outside
	pull-out clamping levers for fast installation without loose parts
	protection class front side IP 65, rear side IP 20
Front panel	operating temperature 0...55 °C
	TFT display in eight sizes
	– 11.6-inch display 1366 x 768
	– 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® 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 and 1 DVI-D connector free
	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 and 4 USB 3.0 ports
24 V DC power supply	

Options	CP22xx-0020
C9900-M575	vertical orientation of the display inside the Control Panel or Panel PC CP22xx, CP26xx, CP29xx or CP39xx instead of standard Control Panel or standard Panel PC
C9900-E268	1-port USB socket inside the front of a CP2xxx without push-button extension, USB-A socket IP 65
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-B517	2 PCIe module slots integrated inside CP22xx, to plug-in Beckhoff PCIe modules, instead of 2 connector brackets to lead out interfaces
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-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

<b>CP22xx-0020</b>	<b>Options for CP22xx with 2 module slots C9900-B517</b>
<b>FC9062</b>	Gigabit Ethernet PCIe module for PCs with Beckhoff PCIe module slots, 2-channel, PCI Express x1 bus
<b>C9900-E301</b>	RS232 PCIe module – 2 serial interfaces RS232 – transfer rate up to 921,600 bps – 2 sockets Harting ix type B – requires 2 adapter cable C9900-K920 Harting ix type B to D-Sub 9 pin
<b>C9900-K920</b>	adapter cable Harting ix Type B to D-sub 9-pin for C9900-E301 RS232 PCIe module, length 45 cm
<b>C9900-E277</b>	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

<b>CP22xx-0020</b>	<b>Multi-touch built-in Panel PC</b>
<b>CP2211-0020</b>	11.6-inch display 1366 x 768 Multi-finger touch screen
<b>CP2212-0020</b>	12-inch display 800 x 600 Multi-finger touch screen
<b>CP2215-0020</b>	15-inch display 1024 x 768 Multi-finger touch screen
<b>CP2216-0020</b>	15.6-inch display 1366 x 768 Multi-finger touch screen
<b>CP2218-0020</b>	18.5-inch display 1366 x 768 Multi-finger touch screen
<b>CP2219-0020</b>	19-inch display 1280 x 1024 Multi-finger touch screen
<b>CP2221-0020</b>	21.5-inch display 1920 x 1080 Multi-finger touch screen
<b>CP2224-0020</b>	24-inch display 1920 x 1080 Multi-finger touch screen