

CP27xx-0010 | The fanless multi-touch built-in Panel PC

Variants	Processor	available
CP27xx-0020	Intel® Atom™, 2 Cores (TC3: 40*) or Intel® Atom™, 4 Cores (TC3: 50*)	September 2019
CP27xx-0010	Intel® Atom™, 1 Core (TC3: 40*), Intel® Atom™, 2 Cores (TC3: 40*) or Intel® Atom™, 4 Cores (TC3: 50*)	yes
CP27xx-0000	Intel® Celeron® (TC3: 50*)	yes, but not recommended for new projects

*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.

CP27xx-0010	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
	2 slots for CFast cards, accessible from outside
	1 connector bracket to lead out interfaces of the motherboard at the connection section
	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
	– 12-inch display 800 x 600
	– 12.1-inch display 1280 x 800
	– 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
	Intel® Atom™ E3815, 1.46 GHz, 1 core (TC3: 40)
	3½-inch motherboard for Intel® Atom™
	2 GB DDR3L RAM, expandable ex factory to 8 GB
	graphic adapter integrated inside the Intel® processor, 1 DVI-D port occupied by the display in the front and 1 DVI-I connector free
	on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector
	4 GB CFast card, extended temperature range
	4 USB 2.0 ports
24 V DC power supply	
Microsoft Windows Embedded Compact 7, English, supports dual-finger touch screen operation	

Options	CP27xx-0010
C9900-E268	1-port USB socket inside the front of a CP2xxx without push-button extension, USB-A socket IP 65
C9900-F942	Stainless steel front with blue silicone seal for CP2x13-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F945	Stainless steel front with blue silicone seal for CP2x16-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F946	Stainless steel front with blue silicone seal for CP2x18-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-F948	Stainless steel front with blue silicone seal for CP2x21-00x0 for horizontal alignment, stainless steel 1.4404, matt ground with grain size 240, instead of standard aluminium front
C9900-C572	processor Intel® Atom™ E3827, 1.75 GHz, 2 cores (TC3: 40), instead of Intel® Atom™ E3815, 1.46 GHz (TC3: 40). With Microsoft Windows Embedded Compact 7 only one core is supported. Multicore support is available with Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate and Windows 10 IoT Enterprise.
C9900-C573	processor Intel® Atom™ E3845, 1.91 GHz, 4 cores (TC3: 50), instead of Intel® Atom™ E3815, 1.46 GHz (TC3: 40). With Microsoft Windows Embedded Compact 7 only one core is supported. Multicore support is available with Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate and Windows 10 IoT Enterprise.
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-B415	third on-board Ethernet adapter on the 3½-inch motherboard for Intel® Atom™ or Intel® Celeron® ULV 827E 1.4 GHz, wired out with a 100/1000BASE-T connector inside the connector bracket at the connection section
C9900-B518	1 PCIe module slot integrated inside CP27xx, to plug-in Beckhoff PCIe modules, instead of 1 connector bracket to lead out interfaces
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-E240	Serial port COM2 RS232, optically linked, overload protection, D-sub 9-pin connector.
C9900-E241	Serial port COM2 RS485, optically linked, overload protection, D-sub 9-pin connector. Configuration as an end point without echo: echo off, auto send on, always send off, auto receive on, always receive off, termination on
C9900-E242	Serial port COM2 RS422, optically linked, overload protection, D-sub 9-pin connector. Configuration as a full duplex end point: echo on, auto send off, always send on, auto receive off, always receive on, termination on
C9900-Z411	adapter plug DVI-I to VGA
C9900-Z413	adapter cable DVI-I to DVI and VGA, 15 cm
C9900-H583	30 GB CFast card, 3D flash, extended temperature range
C9900-H587	60 GB CFast card, 3D flash, extended temperature range
C9900-H624	160 GB CFast card, 3D flash, extended temperature range
C9900-H586	30 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
C9900-H590	60 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
C9900-H627	160 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
C9900-U209	uninterruptible power supply UPS, integrated into the 24 V power supply, without battery
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-U332-0010	battery pack for 24 V power supply with integrated UPS C9900-U209 at PCs with Intel® Atom™ or Celeron® ULV 827E 1.4 GHz processor, external, for DIN rail mounting, 1.3 Ah, operating temperature 0...50 °C
C9900-S706	TwinCAT 2 PLC runtime for Windows Embedded Compact 7
C9900-S707	TwinCAT 2 NC PTP runtime for Windows Embedded Compact 7
C9900-S708	TwinCAT 2 NC I runtime for Windows Embedded Compact 7

Options	Not recommended for new projects
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-H559	8 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H560	16 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H567	32 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card
C9900-H571	64 GB CFast card, SLC flash, extended temperature range, instead of 4 GB CFast card

CP27xx-0010	Options for CP27xx with 1 module slot C9900-B518
FC9062	Gigabit Ethernet PCIe module for PCs with Beckhoff PCIe module slots, 2-channel, PCI Express x1 bus
C9900-E301	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
C9900-K920	adapter cable Harting ix type B to D-sub 9-pin for RS232 PCIe module C9900-E301 or C9900-E306, length 45 cm
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

CP27xx-0010	Fanless multi-touch built-in Panel PC
CP2712-0010	12-inch display 800 x 600 Multi-finger touch screen
CP2713-0010	12.1-inch display 1280 x 800 Multi-finger touch screen
CP2715-0010	15-inch display 1024 x 768 Multi-finger touch screen
CP2716-0010	15.6-inch display 1366 x 768 Multi-finger touch screen
CP2718-0010	18.5-inch display 1366 x 768 Multi-finger touch screen
CP2719-0010	19-inch display 1280 x 1024 Multi-finger touch screen
CP2721-0010	21.5-inch display 1920 x 1080 Multi-finger touch screen
CP2724-0010	24-inch display 1920 x 1080 Multi-finger touch screen