

# CP67xx-xxxx-0040 | "Economy" built-in Panel PC

## The slimline built-in Industrial PC with 3½-inch motherboard

Variants	Processor	available
CP67xx-xxxx-0050	Intel® Atom™, 1 Core (TC3: 40*), Intel® Atom™, 2 Cores (TC3: 40*) or Intel® Atom™, 4 Cores (TC3: 50*)	yes
CP67xx-xxxx-0040	Intel® Celeron® ULV (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.

CP67xx-xxxx-0040	"Economy" built-in Panel PC
<b>Housing</b>	<ul style="list-style-type: none"> <li>aluminium front with steel sheet rear cover</li> <li>drives easily accessible</li> <li>all connectors at the bottom of the rear side</li> <li>1 slot for one CFast card accessible from the rear side</li> <li>lithium battery of the system clock accessible from the rear side</li> <li>pull-out clamping levers for fast installation without loose parts</li> <li>protection class front side IP 65, rear side IP 20</li> <li>operating temperature 0...55 °C</li> </ul>
<b>Front panel</b>	<ul style="list-style-type: none"> <li>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> </li> <li>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> </li> <li>special keys identified by slide-in labels</li> </ul>
<b>Features</b>	<ul style="list-style-type: none"> <li>processor Intel® Celeron® ULV 827E 1.4 GHz, 1 core (TC3: 50)</li> <li>3½-inch motherboard for Intel® Celeron® ULV 827E</li> <li>2 GB DDR3 RAM, expandable ex factory to 8 GB</li> <li>graphic adapter integrated inside the Intel® processor, 1 DVI-D port occupied by the display in the front and 1 DVI-I connector free</li> <li>on-board dual Ethernet adapter with 2 x 10/100/1000BASE-T connector</li> <li>on-board SATA RAID 1 controller, Intel® Rapid Storage Technology</li> <li>4 GB CFast card, extended temperature range</li> <li>4 USB 2.0 ports</li> <li>24 V DC power supply</li> <li>Microsoft Windows Embedded Compact 7, English</li> </ul>

Options	CP67xx-xxxx-0040
C9900-R249	memory extension to 4 GB DDR3 RAM, instead of 2 GB, requires a 64 bit operating system or only 3 GB are addressable
C9900-R250	memory extension to 8 GB DDR3 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-B500	2 PCIe module slots integrated inside CP62xx or CP67xx-xxxx-0040/-0050, to plug-in Beckhoff PCIe modules or to lead out interfaces of the motherboard ex factory. The depth of the back cover is increased by 30 mm (1.2").
C9900-B504	2 PCIe plug-in card slots on the passive backplane integrated inside CP62xx or CP67xx-xxxx-0040/-0050, to plug-in PCIe x1 cards up to 190 mm (7.5") length. The depth of the back cover is increased by 66 mm (2.6").
C9900-B508	2 PCI plug-in card slots on the passive backplane integrated inside CP62xx or CP67xx-xxxx-0040/-0050, to plug-in PCI cards up to 190 mm (7.5") length. The depth of the back cover is increased by 66 mm (2.6").
C9900-B512	1 PCI and 1 PCIe plug-in card slot on a passive backplane integrated inside CP62xx or CP67xx-xxxx-0040/-0050, to plug-in one PCI and one PCIe x1 card up to 190 mm (7.5") length. The depth of the back cover is increased by 66 mm (2.6").
C9900-T902	touch screen pen with wall holder for CP6xxx, C33xx and C36xx
C9900-F700	Stainless steel front with flush-mounted touch screen for CP6201-0021, CP6601-0021, CP6701-0021-0040/-0050, CP6901-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminium front
C9900-F306	Stainless steel front with flush-mounted touch screen for CP6201-0001, CP6601-0001, CP6701-0001-0040/-0050, CP6901-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminium front
C9900-F701	Stainless steel front with flush-mounted touch screen for CP6202-0021, CP6602-0021, CP6702-0021-0040/-0050, CP6902-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminium front
C9900-F303	Stainless steel front with flush-mounted touch screen for CP6202-0001, CP6602-0001, CP6702-0001-0040/-0050, CP6902-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminium front
C9900-F307	Stainless steel front with flush-mounted touch screen for CP6203-0001, CP6603-0001, CP6703-0001-0040/-0050, CP6903-0001, stainless steel 1.4301, matt ground with grain size 240, instead of standard aluminium front
C9900-F702	Stainless steel front with flush-mounted touch screen for CP6203-0021, CP6603-0021, CP6703-0021-0040/-0050, CP6903-0021, stainless steel 1.4301, matt ground with grain size 240, with 1-port USB A socket, stainless steel screw-on cap with internally mounted wire to hold the cap, instead of standard aluminium front
C9900-E159	Serial port RS232, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket.
C9900-E188	Serial port RS485, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket. Configuration as an end point without echo: echo off, auto send on, always send off, auto receive on, always receive off, termination on
C9900-E189	Serial port RS422, optically linked, overload protection, D-sub 9-pin connector. An additional fieldbus card is possible with a PCIe module slot as a connector bracket. 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-D196	1 slot for one 2½-inch hard disk or SSD and 1 slot for one CFast card, instead of 1 slot for one CFast card
C9900-H187	hard disk, 2½-inch, 320 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7 or Windows 7. PC operating temperature 0...45 °C
C9900-H744	solid-state disk SSD, 3D flash, 2½-inch, 120 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-H752	solid-state disk SSD, 3D flash, 2½-inch, 240 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-H748	solid-state disk SSD, 3D flash, 2½-inch, 480 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-H731	solid-state disk SSD, SLC flash, 2½-inch, 32 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-H732	solid-state disk SSD, SLC flash, 2½-inch, 64 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-H739	solid-state disk SSD, SLC flash, 2½-inch, 128 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
C9900-D195	2 slots for CFast cards, instead of 1 slot for one CFast card
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-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-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
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-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

CP67xx-xxxx-0040	Options for CP67xx with 2 module slots C9900-B500
FC9062	Gigabit Ethernet PCIe module for PCs with Beckhoff PCIe module slots, 2-channel, PCI Express x1 bus
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
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

CP67xx-xxxx-0040	"Economy" built-in Panel PCs
CP6701-0000-0040	12-inch display 800 x 600 without keys
CP6701-0001-0040	12-inch display 800 x 600 without keys, touch screen
CP6701-0020-0040	12-inch display 800 x 600 without keys, USB A socket in the front
CP6701-0021-0040	12-inch display 800 x 600 without keys, USB A socket in the front, touch screen
CP6711-0000-0040	12-inch display 800 x 600 function keys
CP6711-0001-0040	12-inch display 800 x 600 function keys, touch screen
CP6721-0000-0040	12-inch display 800 x 600 numeric keyboard
CP6721-0001-0040	12-inch display 800 x 600 numeric keyboard, touch screen
CP6721-0002-0040	12-inch display 800 x 600 numeric keyboard, touch pad
CP6731-0000-0040	12-inch display 800 x 600 alphanumeric keyboard
CP6731-0001-0040	12-inch display 800 x 600 alphanumeric keyboard, touch screen
CP6731-0002-0040	12-inch display 800 x 600 alphanumeric keyboard, touch pad
CP6702-0000-0040	15-inch display 1024 x 768 without keys
CP6702-0001-0040	15-inch display 1024 x 768 without keys, touch screen
CP6702-0020-0040	15-inch display 1024 x 768 without keys, USB A socket in the front
CP6702-0021-0040	15-inch display 1024 x 768 without keys, USB A socket in the front, touch screen
CP6712-0000-0040	15-inch display 1024 x 768 function keys
CP6712-0001-0040	15-inch display 1024 x 768 function keys, touch screen
CP6722-0000-0040	15-inch display 1024 x 768 numeric keyboard
CP6722-0001-0040	15-inch display 1024 x 768 numeric keyboard, touch screen
CP6722-0002-0040	15-inch display 1024 x 768 numeric keyboard, touch pad
CP6732-0000-0040	15-inch display 1024 x 768 alphanumeric keyboard
CP6732-0001-0040	15-inch display 1024 x 768 alphanumeric keyboard, touch screen
CP6732-0002-0040	15-inch display 1024 x 768 alphanumeric keyboard, touch pad
CP6742-0000-0040	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides
CP6742-0001-0040	15-inch display 1024 x 768 alphanumeric keyboard, PLC keys on the sides, touch screen

CP6703-0000-0040	19-inch display 1280 x 1024 without keys
CP6703-0001-0040	19-inch display 1280 x 1024 without keys, touch screen
CP6703-0020-0040	19-inch display 1280 x 1024 without keys, USB A socket in the front
CP6703-0021-0040	19-inch display 1280 x 1024 without keys, USB A socket in the front, touch screen
CP6713-0000-0040	19-inch display 1280 x 1024 function keys
CP6713-0001-0040	19-inch display 1280 x 1024 function keys, touch screen
CP6723-0000-0040	19-inch display 1280 x 1024 numeric keyboard
CP6723-0001-0040	19-inch display 1280 x 1024 numeric keyboard, touch screen
CP6723-0002-0040	19-inch display 1280 x 1024 numeric keyboard, touch pad
CP6733-0000-0040	19-inch display 1280 x 1024 alphanumeric keyboard
CP6733-0001-0040	19-inch display 1280 x 1024 alphanumeric keyboard, touch screen
CP6733-0002-0040	19-inch display 1280 x 1024 alphanumeric keyboard, touch pad