

# CP62xx-xxxx-0060 | “Economy” built-in Panel PC

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

| Variants         | Processor                                                                                                                                                                                                            | available                                 |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| CP62xx-xxxx-0020 | Intel® Atom™ (TC3: 40*)                                                                                                                                                                                              | yes, but not recommended for new projects |
| CP62xx-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*)                                                             | yes                                       |
| CP62xx-xxxx-0060 | 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                                       |
| CP62xx-xxxx-0070 | 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.

| CP62xx-xxxx-0060 | “Economy” built-in Panel PC                                                                                                        |
|------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Housing          | aluminium front with steel sheet rear cover                                                                                        |
|                  | drives easily accessible                                                                                                           |
|                  | all connectors at the bottom of the rear side                                                                                      |
|                  | 1 slot for one 2½-inch hard disk or SSD and 1 slot for one CFast card accessible from the rear side                                |
|                  | fan cartridge at the rear side, accessible from outside                                                                            |
|                  | lithium battery of the system clock accessible from the rear side                                                                  |
|                  | 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 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                                                                                   |
| Features         | – 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                                                                                         |
|                  | 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 and 1 DVI 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 RS232, 2 USB 3.0 ports and 2 USB 2.0 ports                                                                           |
|                  | 24 V DC power supply                                                                                                               |

| Options    | CP62xx-xxxx-0060                                                                                                                                                                                                                                                                                                           |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-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.<br>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.<br>An additional fieldbus card is possible with a PCIe module slot as a connector bracket.<br>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.<br>An additional fieldbus card is possible with a PCIe module slot as a connector bracket.<br>Configuration as a full duplex end point: echo on, auto send off, always send on, auto receive off, always receive on, termination on       |
| 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-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-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                                                                                                                                                                                                                                      |

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| <b>C9900-H565</b> | 32 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk                                                                             |
| <b>C9900-H569</b> | 64 GB CFast card, SLC flash, extended temperature range, instead of 2½-inch hard disk                                                                             |
| <b>C9900-U209</b> | uninterruptible power supply UPS, integrated into the 24 V power supply, without battery, occupies one internal serial Interface                                  |
| <b>C9900-U330</b> | 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 |



CP62xx with  
plug-in card slots C9900-B504, -B508 or -B512



CP62xx with  
PCIe module slots C9900-B500

| <b>CP62xx-xxxx-0060</b> | <b>Options for CP62xx with 2 module slots C9900-B500</b>                                                                                                                                          |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FC9062</b>           | Gigabit Ethernet PCIe module for PCs with Beckhoff PCIe module slots, 2-channel, PCI Express x1 bus                                                                                               |
| <b>C9900-E277</b>       | USB 3.0 PCIe module<br>- 2-port USB 3.0 interfaces<br>- USB transfer rate up to 5 Gbit/s for USB 3.0<br>- compatible to all USB standards<br>- delivers up to 1 A supply current at each USB port |
| <b>C9900-E232</b>       | sound line input and sound line output of the motherboard led out at the connection section of a C5210, C65x5, CP22xx or CP62xx                                                                   |
| <b>C9900-E233</b>       | 1 serial port RS232 of the motherboard led out at the connection section of a C5210, C65x5, CP2xxx, CP62xx or CP67xx-xxxx-0040/-0050                                                              |
| <b>C9900-E234</b>       | 2 USB ports of the motherboard led out at the connection section of a C5210, C65x5, CP2xxx, CP62xx or CP67xx-xxxx-0040/-0050                                                                      |

| <b>CP62xx-xxxx-0060</b> | <b>"Economy" built-in Panel PCs</b>                                                 |
|-------------------------|-------------------------------------------------------------------------------------|
| <b>CP6201-0000-0060</b> | 12-inch display 800 x 600<br>without keys                                           |
| <b>CP6201-0001-0060</b> | 12-inch display 800 x 600<br>without keys, touch screen                             |
| <b>CP6201-0020-0060</b> | 12-inch display 800 x 600<br>without keys, USB A socket in the front                |
| <b>CP6201-0021-0060</b> | 12-inch display 800 x 600<br>without keys, USB A socket in the front, touch screen  |
| <b>CP6211-0000-0060</b> | 12-inch display 800 x 600<br>function keys                                          |
| <b>CP6211-0001-0060</b> | 12-inch display 800 x 600<br>function keys, touch screen                            |
| <b>CP6221-0000-0060</b> | 12-inch display 800 x 600<br>numeric keyboard                                       |
| <b>CP6221-0001-0060</b> | 12-inch display 800 x 600<br>numeric keyboard, touch screen                         |
| <b>CP6221-0002-0060</b> | 12-inch display 800 x 600<br>numeric keyboard, touch pad                            |
| <b>CP6231-0000-0060</b> | 12-inch display 800 x 600<br>alphanumeric keyboard                                  |
| <b>CP6231-0001-0060</b> | 12-inch display 800 x 600<br>alphanumeric keyboard, touch screen                    |
| <b>CP6231-0002-0060</b> | 12-inch display 800 x 600<br>alphanumeric keyboard, touch pad                       |
| <b>CP6202-0000-0060</b> | 15-inch display 1024 x 768<br>without keys                                          |
| <b>CP6202-0001-0060</b> | 15-inch display 1024 x 768<br>without keys, touch screen                            |
| <b>CP6202-0020-0060</b> | 15-inch display 1024 x 768<br>without keys, USB A socket in the front               |
| <b>CP6202-0021-0060</b> | 15-inch display 1024 x 768<br>without keys, USB A socket in the front, touch screen |
| <b>CP6212-0000-0060</b> | 15-inch display 1024 x 768<br>function keys                                         |
| <b>CP6212-0001-0060</b> | 15-inch display 1024 x 768<br>function keys, touch screen                           |
| <b>CP6222-0000-0060</b> | 15-inch display 1024 x 768<br>numeric keyboard                                      |
| <b>CP6222-0001-0060</b> | 15-inch display 1024 x 768<br>numeric keyboard, touch screen                        |

|                  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| CP6222-0002-0060 | 15-inch display 1024 x 768<br>numeric keyboard, touch pad                                |
| CP6232-0000-0060 | 15-inch display 1024 x 768<br>alphanumeric keyboard                                      |
| CP6232-0001-0060 | 15-inch display 1024 x 768<br>alphanumeric keyboard, touch screen                        |
| CP6232-0002-0060 | 15-inch display 1024 x 768<br>alphanumeric keyboard, touch pad                           |
| CP6242-0000-0060 | 15-inch display 1024 x 768<br>alphanumeric keyboard, PLC keys on the sides               |
| CP6242-0001-0060 | 15-inch display 1024 x 768<br>alphanumeric keyboard, PLC keys on the sides, touch screen |
| CP6203-0000-0060 | 19-inch display 1280 x 1024<br>without keys                                              |
| CP6203-0001-0060 | 19-inch display 1280 x 1024<br>without keys, touch screen                                |
| CP6203-0020-0060 | 19-inch display 1280 x 1024<br>without keys, USB A socket in the front                   |
| CP6203-0021-0060 | 19-inch display 1280 x 1024<br>without keys, USB A socket in the front, touch screen     |
| CP6213-0000-0060 | 19-inch display 1280 x 1024<br>function keys                                             |
| CP6213-0001-0060 | 19-inch display 1280 x 1024<br>function keys, touch screen                               |
| CP6223-0000-0060 | 19-inch display 1280 x 1024<br>numeric keyboard                                          |
| CP6223-0001-0060 | 19-inch display 1280 x 1024<br>numeric keyboard, touch screen                            |
| CP6223-0002-0060 | 19-inch display 1280 x 1024<br>numeric keyboard, touch pad                               |
| CP6233-0000-0060 | 19-inch display 1280 x 1024<br>alphanumeric keyboard                                     |
| CP6233-0001-0060 | 19-inch display 1280 x 1024<br>alphanumeric keyboard, touch screen                       |
| CP6233-0002-0060 | 19-inch display 1280 x 1024<br>alphanumeric keyboard, touch pad                          |