

# C6017-0010 | Ultra-compact Industrial PC

## Intel® Atom™ with up to four cores

| Variants          | Processor  | available     |
|-------------------|--|---------------|
| <b>C6017-0020</b> | Intel Atom®, 2 Cores (TC3: 40*) or Intel Atom®, 4 Cores (TC3: 50*)                                 | February 2021 |
| <b>C6017-0010</b> | Intel Atom®, 1 Core (TC3: 40*), Intel Atom®, 2 Cores (TC3: 40*) or Intel Atom®, 4 Cores (TC3: 50*) | 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.

| C6017-0010      | Ultra-compact Industrial PC  |
|-----------------|--|
| <b>Housing</b>  | fanless industrial PC for space-saving control cabinet installation  |
|                 | housing prepared for ex work installation of further configurations  |
|                 | mounting plate on the rear wall  |
|                 | all connectors on the same level   |
|                 | flexible mounting mechanism for the free alignment of the connecting area  |
|                 | aluminium zinc die-cast housing  |
|                 | status LEDs  |
|                 | lithium battery easily accessible  |
|                 | 1 slot for one M.2 SSD easily accessible   |
|                 | passive, fanless cooling with one-sided cool plate   |
|                 | 5 cm (2") free space above and under as well as 2 cm (0.8") free space at the sides of the PC required for air circulation |
|                 | protection class IP 20   |
|                 | operating temperature 0...55 °C  |
| <b>Features</b> | compact dimensions (W x H x D) 82 x 82 x 66 mm (3.2" x 3.2" x 2.6"), without mounting plate                                |
|                 | Intel Atom® E3815, 1.46 GHz, 1 core (TC3: 40)  |
|                 | compact motherboard for Intel Atom® E38xx  |
|                 | 2 GB DDR3L RAM, expandable ex factory to 4 GB  |
|                 | graphic adapter integrated inside the Intel® processor, 1 DisplayPort connector  |
|                 | on-board dual Ethernet adapter with 2 x 100/1000BASE-T connector   |
|                 | 40 GB M.2 SSD, 3D flash, extended temperature range  |
|                 | 1 USB 3.0 port and 1 USB 2.0 port  |
|                 | 24 V DC power supply   |
|                 | Microsoft Windows Embedded Compact 7, English  |

| Options           | C6017-0010  |
|-------------------|---|
| <b>C9900-C582</b> | processor Intel Atom® E3827, 1.75 GHz, 2 cores (TC3: 40) and memory extension to 4 GB DDR3L RAM instead of Intel Atom® E3815, 1.46 GHz (TC3: 40) and 2 GB DDR3L RAM main memory.<br>Memory extension requires a 64 bit operating system or only 3 GB are addressable.<br>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.   |
| <b>C9900-C583</b> | processor Intel Atom® E3845, 1.91 GHz, 4 cores (TC3: 50) and memory extension to 4 GB DDR3L RAM instead of Intel Atom® E3815, 1.46 GHz (TC3: 40) and 2 GB DDR3L RAM main memory.<br>Memory extension requires a 64 bit operating system or only 3 GB are addressable.<br>Operating temperature range 0...50 °C<br>With Microsoft Windows Embedded Compact 7 only one core is supported.<br>Multicore support is available with Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate and Windows 10 IoT Enterprise. |
| <b>C9900-E302</b> | additional connectors in the front of a C6017, dual Ethernet adapter with 2 x 100/1000BASE-T connector and 2 USB 2.0 ports  |
| <b>C9900-E311</b> | additional connectors in the front of a C6017, 2 x Serial port RS232, galvanically isolated, D-sub 9-pin connector.   |
| <b>C9900-H591</b> | 80 GB M.2 SSD, 3D flash, extended temperature range, for C601x, instead of 40 GB M.2 SSD  |
| <b>C9900-H599</b> | 160 GB M.2 SSD, 3D flash, extended temperature range, for C601x, instead of 40 GB M.2 SSD   |
| <b>C9900-Z468</b> | adapter cable DisplayPort to DVI, 40 cm   |
| <b>C9900-M664</b> | mounting plate for C601x at the side wall, instead of plate at the rear wall  |
| <b>C9900-M665</b> | mounting plate for lateral installation of the C601x; single part, not mounted  |
| <b>C9900-M666</b> | mounting plate with DIN rail mounting adapter for C601x, instead of standard mounting plate   |
| <b>C9900-M667</b> | mounting plate with DIN rail mounting adapter for C601x; single part, not mounted   |

|            |  |
|------------|--|
| C9900-U215 | internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the M.2 SSD, requires TwinCAT and Windows Embedded Compact 7, Windows Embedded Standard 7 or Windows 10 IoT Enterprise |
| 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  |