

# C6905-0010 | "Economy" control cabinet Industrial PC

## Intel® Atom™ with up to four cores

Variants	Processor	available
<b>C6905-0020</b>	Intel® Atom™, 2 Cores (TC3: 40*) or Intel® Atom™, 4 Cores (TC3: 50*)	December 2019
<b>C6905-0010</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.

C6905-0010	Fanless control cabinet PC
<b>Housing</b>	fanless industrial PC for space-saving control cabinet installation
	mounting sheet at the rear wall
	all connectors on the front
	status LEDs
	passive cooling without fan
	5 cm (2") free space on top and bottom of the PC necessary for air circulation
	protection class IP 20
	operating temperature 0...55 °C
	weight of the basic configuration 0.9 kg (1.9 lbs)
	compact dimensions (W x H x D) 45 x 163 x 115 mm (1.8" x 6.4" x 4.5") without mounting plate
<b>Features</b>	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-I connector
	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	

Options	C6905-0010
<b>C9900-C572</b>	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.
<b>C9900-C573</b>	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.
<b>C9900-R257</b>	memory extension to 4 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system or only 3 GB are addressable
<b>C9900-R258</b>	memory extension to 8 GB DDR3L RAM, instead of 2 GB, requires a 64 bit operating system
<b>C9900-B415</b>	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
<b>C9900-H586</b>	30 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
<b>C9900-H590</b>	60 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
<b>C9900-H627</b>	160 GB CFast card, 3D flash, extended temperature range, instead of 4 GB CFast card
<b>C9900-H200</b>	hard disk, 2½-inch, 320 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise, PC operating temperature 0...45 °C
<b>C9900-H752</b>	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
<b>C9900-H748</b>	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
<b>C9900-H762</b>	solid-state disk SSD, 3D flash, 2½-inch, 960 GB, instead of 4 GB CFast card, requires Windows Embedded Standard 7, Windows 7 Professional, Windows 7 Ultimate or Windows 10 IoT Enterprise
<b>C9900-U214</b>	internal, capacitive 1-second UPS to ensure secure backup of persistent application data on the flash card, requires TwinCAT and Windows Embedded Compact 7, Windows Embedded Standard 7 or Windows 10 IoT Enterprise
<b>C9900-S706</b>	TwinCAT 2 PLC runtime for Windows Embedded Compact 7
<b>C9900-S707</b>	TwinCAT 2 NC PTP runtime for Windows Embedded Compact 7
<b>C9900-S708</b>	TwinCAT 2 NC I runtime for Windows Embedded Compact 7

Options	Not recommended for new projects
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-H710	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-H711	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