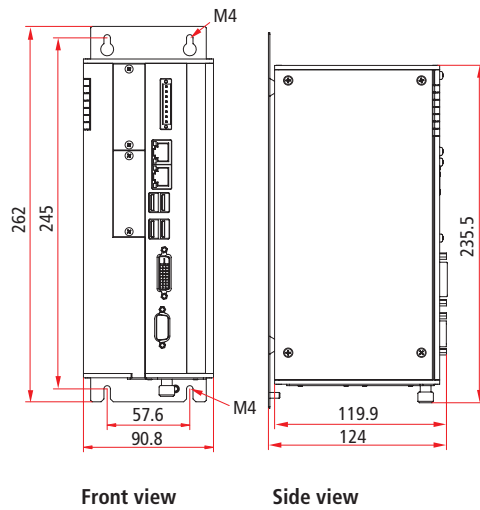




i C6930 | Control cabinet Industrial PC

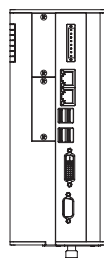
The C6930 Industrial PC is offered with Intel® Core™ Duo or Core™2 Duo. It has a SATA RAID controller for mirroring two hard disks. In the basic configuration, one of the two hard disk slots is equipped with a 40 GB drive. A second drive is offered as an option. In addition, a Compact Flash slot is accessible behind the front cover.

The compact aluminium housing of the C6930 is equipped with a 3½-inch motherboard. All PC connections are located at the front of the housing. The motherboard has additional interfaces such as COM ports, sound and further USB ports. Some of these interfaces can exit via the front of the C6930 through plug connector panels than can be provided ex factory.

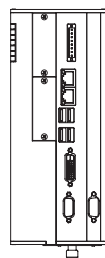


Front view

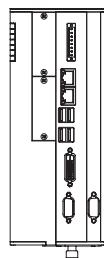
Side view



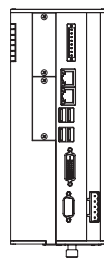
Basic configuration



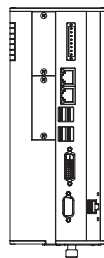
PROFIBUS



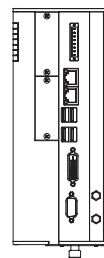
CANopen



DeviceNet



Ethernet



SERCOS interface

Optionally, the PC can be equipped with mounting plates on two sides and fastened with screws in the control cabinet. Installation is possible at the rear panel or on the right-hand side panel (see figure).

The C6930 is supplied with a 24 V DC power supply unit, optionally with integrated uninterruptible power supply (UPS). A battery pack can be connected externally and installed on a DIN rail close to the PC.

Cooling fins behind the right-hand side panel enable fanless operation of the PC at temperatures up to 55 °C. An easily replace-

able fan cartridge is located on the underside of the case.

The C6930 features a free Mini PCI slot. The Beckhoff Mini PCI fieldbus cards for PROFIBUS (FC3151), CANopen (FC5151), DeviceNet (FC5251), SERCOS (FC7551), or a further Ethernet card (FC9151) may be used.

Industrial PCs from this series and a Beckhoff Control Panel with DVI and USB connection or an Ethernet Control Panel as operating unit make an ideal combination and offer a high-performance control

platform for machine construction and plant engineering applications – particularly in combination with the TwinCAT automation software under Windows XP Embedded or Windows XP Professional.

Due to its two independent Ethernet interfaces, the C6930 is ideally suited as a compact central processing unit for an EtherCAT control system. While the 100 Mbit Ethernet port offers optimum performance for all EtherCAT control tasks, a Gigabit port is available for connecting the higher-level network.

C6930	Control cabinet PC
Housing	industrial PC for space-saving control cabinet installation
	mounting sheet at the rear wall
	all connectors on the front
	status LEDs
	lithium battery accessible behind the front flap
	2 slots for 2½-inch hard disks behind the front flap
	slot for 1 Compact Flash card behind the front flap
	2 brackets for additional interfaces installed ex factory
	fan cartridge with speed control and double ball bearing fans, accessible from the front
	5 cm (2") free space above and under the PC required for air circulation
	protection class IP 20
	operating temperature 0...55 °C
	weight of the basic configuration 2.1 kg (4.6 lbs)
	compact dimensions (W x H x D) 89 x 231 x 119 mm (3.5" x 9.1" x 4.7") without mounting plate
Features	processor Intel® Core™ Duo 2.0 GHz
	3½-inch motherboard for Intel® Core™ Duo or Core™2 Duo
	1 Mini PCI slot free for cards installed ex factory
	512 MB DDR2RAM, expandable ex factory to 3 GB
	on-board graphic adapter, Intel® GMA950, DVI-I connector
	on-board dual Ethernet adapter with 1 x 10/100BASE-T and 1 x 10/100/1000BASE-T connector
	on-board SATA RAID 1 controller, Intel® Matrix Storage Technology
	1 hard disk, 2½-inch, 40 GB
	1 serial port RS232 and 4 USB 2.0 ports
	24 V DC power supply
Options	processor Intel® Core™2 Duo
	mounting plate at the side wall, instead of plate at the rear wall
	serial ports led out as RS232, RS422 or RS485, optically linked, overload protection
	2 additional USB interfaces
	sound connection, Line output and Line input
	Mini PCI card with fieldbus interface or Ethernet port
	Mini PCI card with up to 512 kB NOVRAM for fail-safe storage of process data
	uninterruptible power supply UPS


Product announcement

 For availability status see Beckhoff website at: www.beckhoff.com/C6930