WinCNC Card Set Installation
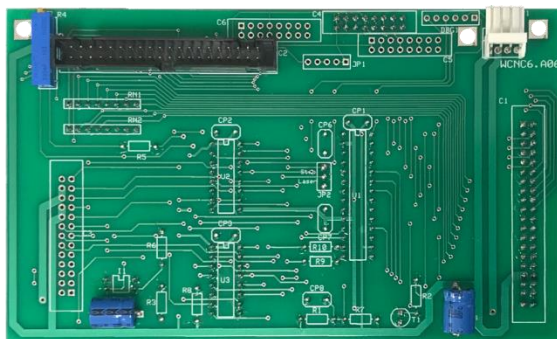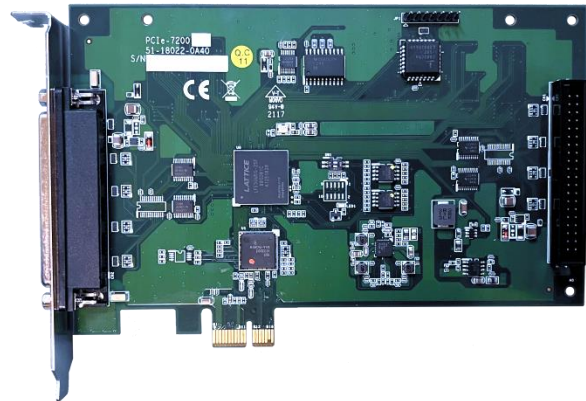
View recommended PC specifications and requirements for WinCNC here.

The WinCNC control card set consists of a WinCNC daughterboard and PCIe-7200 timer card. Daughterboards are available in several configurations, including DB37 and DB25.
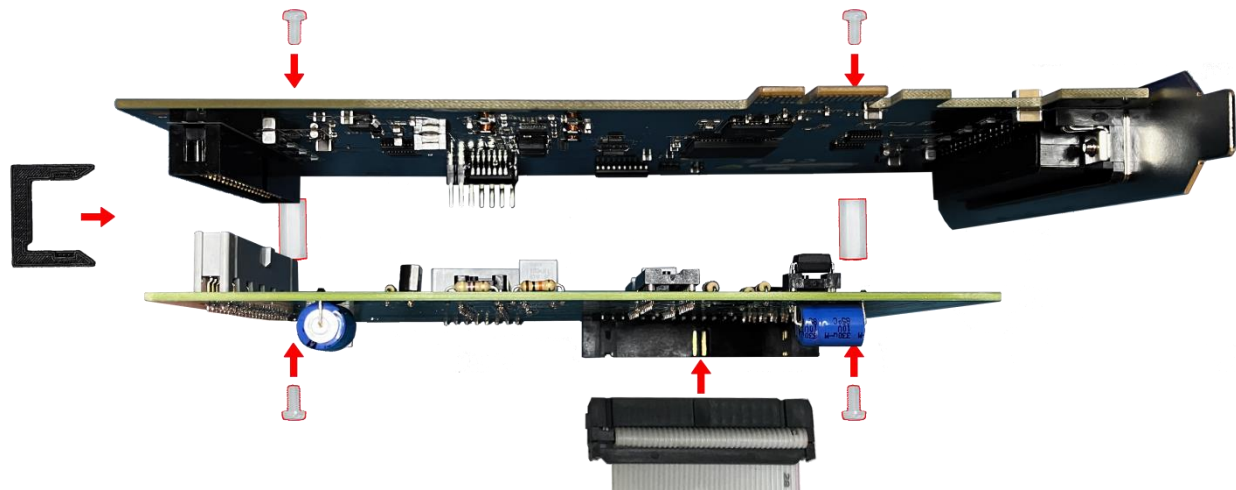

WinCNC Daughterboard

PCIe-7200 Timer Card

As showcased below, the card set sockets together and fastens securely with plastic spacers and screws. A security clip is also included to keep the cards from separating over time due to vibration. Card sets are commonly assembled prior to order shipment, however assembly may be required in certain circumstances. Assembly of legacy cards sets that feature a standard PCI7200 timer card is identical.

If assembly is required, it is recommended to secure the set of spacers on one of either of the boards with the included screws. The remaining card can be socketed and the remaining screws can be threaded. Finally, add the security clip over the mated 40-pin connectors and add the ribbon cable. The card set is now assembled and can be installed into a compatible PC expansion slot.

The PCIe-7200 timer card is compatible with x1-x16 PCIe expansion slots. Legacy PCI7200 timer cards are only compatible with standard PCI expansion slots. Consult with OEM or WinCNC support staff if the available slot type is unclear to avoid damage to the card set.

After installation of the card set into the PC is complete, a set of DB37 connectors will be available. Interface cables can be gently installed onto the connectors at the back of the PC and secured tightly through use of thumbscrews on the mating interface cable connector. Avoid forcing connection to prevent possible damage to the card set.

PCI/PCIe Card Connector CN1 (Black DB37)

Daughterboard Ribbon Cable Connector CN2 (Blue DB37)

If only one DB37 M/F interface cable is used with the CNC, ensure it is connected to the BLUE CN2 connector. If multiple interface cables are used in conjunction with a WinCNC IO board, refer to the labeling on the breakout board or the relevant manual.

Pins for power and ground differ between the CN1 and CN2 connectors. Consult with OEM or WinCNC support staff if connection order is unclear or if a different configuration is featured to avoid possible damage to the card set.