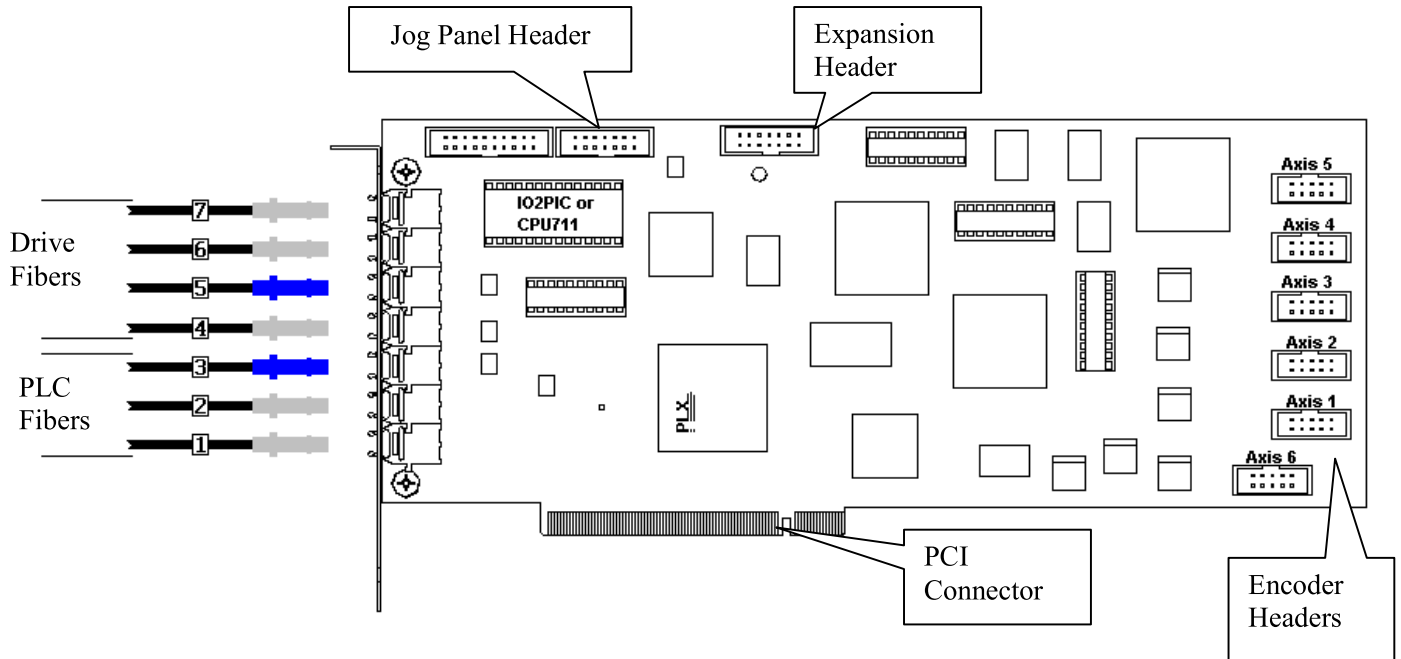


# Motion Control Card

## CPU10



The CPU10 is designed to replace both CPU7 and CPU9 cards with a compatible PCI slot version as a result of elimination of ISA slots from PC motherboards.

1. PCI bus Card will work in PCI slot without manually setting address of card. Cards will work with other PCI cards in use without conflict.
2. Inputs: inputs will include Jog panel, expansion header, PLC header, six encoder inputs. All six encoder inputs will have polarity check.
3. Fiber optic communication: All fiber optic components will be available for both the SD drive system (4 fiber) and the brushed system (2 fiber). Software will make the adjustment for the system. PLC fiber optic communications remain the same as CPU7, CPU9.
4. Card will fit in standard PC case and in the Centroid Console updated for the card.
5. CPU10 will accept spindle input for multiple SD1 drive system (3 KW and 4KW motors). SD3 systems must use the spindle encoder input on the drive.
6. The type of PLC being used will determine whether the CPU10 will have an IO2PIC or CPU711 PIC on board. DC3IO, PLCIO2 and RTK3 PLCs use the IO2PIC. Servo3IO, RTK2 and PLC 15/15s use the CPU711 PIC.