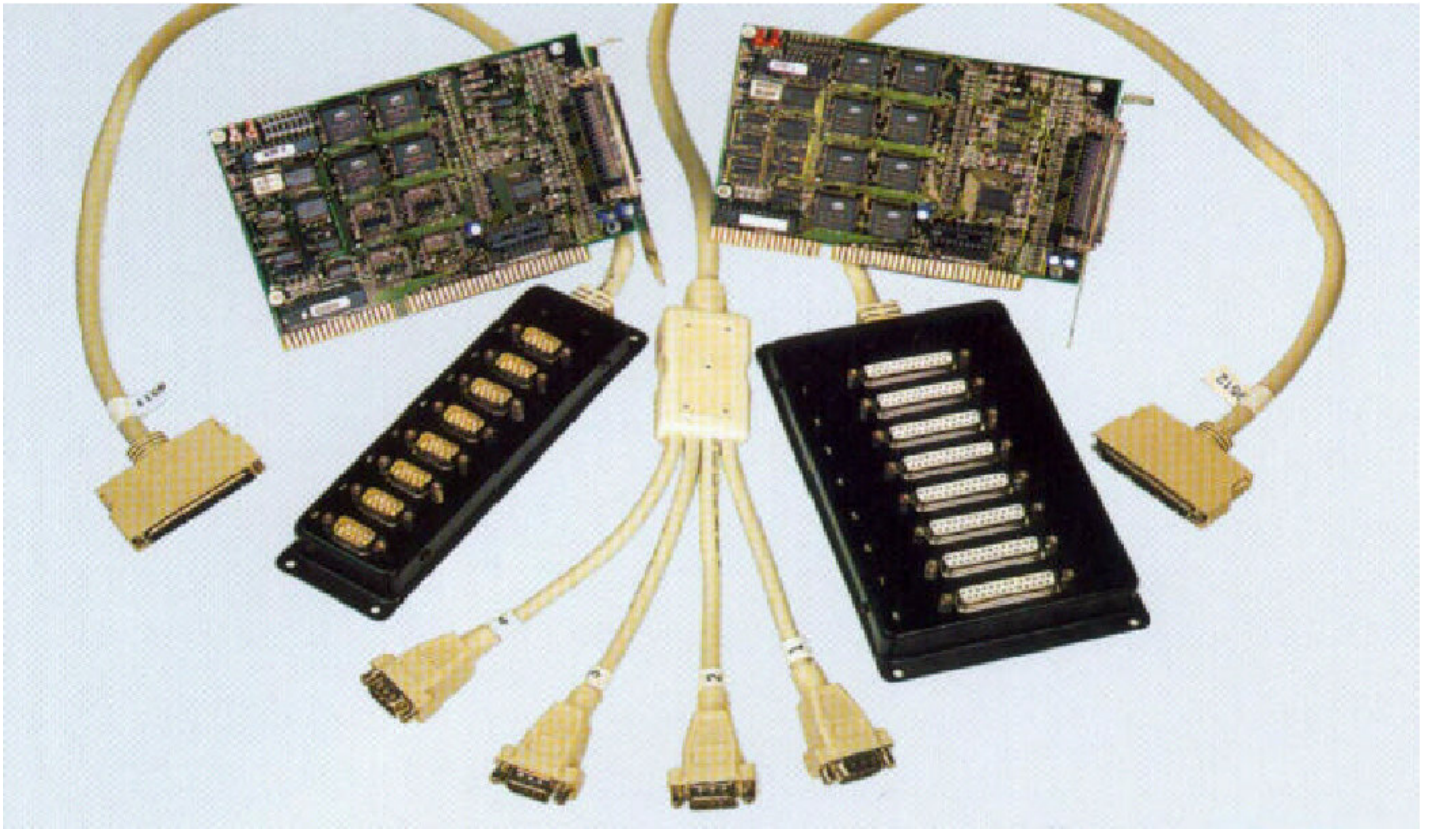




Buffered Communication Controllers



The Range of superior industry standard buffered Communications Controllers (CC) from TCL is guaranteed to provide optimum functionality and outstanding performance coupled with total reliability.

The CC range is recommended for use where additional ports are required on a PC, for datalogging, connection of high speed peripherals and inclusion of terminals in multiuser environments. They are also suitable for controlling Point of Sale terminals.

The CC range has been designed in 4 and 8 port versions utilising the latest CMOS surface-mount components on a multi-layer, half length card, in order to minimise the power requirements and increase reliability.

The industry standard 16550 communication handler (UARTS) used for each of the channels has a 16-character FIFO (First In First Out) characteristic which is highly recommended by multiuser and Network system houses.

Apart from the 16 character FIFO, the CC controllers could be programmed (usually done by the operating system or the application) to generate

an interrupt to the PC processor after it has received a specified number of characters. If some characters have been received but not enough to cause an interrupt, then an interrupt will be issued automatically by the CC controller after a timeout.

Considering that the more interrupts a PC processor has to services the less time it has to perform other tasks, the buffered CC controllers are ideal for reducing processor overheads and improving performance.

The CC controllers are very versatile. Their versatility stems from the switch selectability of their I/O base address and interrupt level. A unique feature of this card is the facility which allows interrupts to be daisy chained from one controller to another, enabling multiple controllers to be installed in one PC, all sharing the same PC interrupt. Having one I/O base address and one interrupt to set facilitates trouble free installation.

Support for the CC controllers is built into many operating systems by default; however, TCL extends this support for other operating systems, including DOS, WINDOWS, UNIX and OS/2 by means of various TCL device drivers, supplied free of charge on request.

Features

Multiple CC cards could be fitted in the same PC using only one PC interrupt.

Short length card ideal for portable PC's.

CMOS surface-mount Components on a multi-layer half length card.

PAL ID facility (Acts as a dongle for protecting your software).

Supplied complete ready to use.

Benefits

12-month Return-to-Base Warranty

High speed, reliable data transmission and reception

Minimum power usage

Interrupt and I/O Base Address configurable

Superior performance

Facility to daisy chain interrupts from one card to another

Throughput 50bps-115.2Kbps

FREE device drivers for the operating system of your choice:

DOS, WINDOWS, OS/2, Multiuser DOS, Real/32, SCOUNIX, AIX

Loopback plug and diagnostic software supplied asstandard

CC GENERAL SPECIFICATION

PC Card: CMOS surface-mount components on a multi-layer half length card

UARTS: 16550 (16 character FIFObuffer)

PC Bus: ISA/EISA, MCA

Interrupts: 2-7, 9-12, 15

Character: 5,6,7,8 bits

Stop Bits: 1, 1.5, 2

Parity: Odd, Even or None

Data Rate: 50bps to 115.2 Kbps

CC/8B - 8 PORT BUFFERED CARD

Ports: 8

Modem Control

Signals: TX, RX, RTS, CTS, DTR, DSR, DCD

Connection: V.24/RS232 8 way distribution box, 9 pin 'D' male

Options: Surge Block on all signal lines or RS422/485 D25 Female distribution box