

# Bitworks CAN CA2 Controller

- Windows based graphical user interface
- Supported by existing Bitworks two channel CAN adapter PC hardware
- Provides real time CAN bus monitoring with a choice of display formats
- Complete platform for the reception and transmission of CAN messages
- Automatic data formatting

The Bitworks CAN Development Environment provides dual independent CAN bus interfaces. Using two Intel 82527 CAN Controllers the CAN interface is fully compliant with CAN physical layer ISO 11898 Part 2.0B. The Bitworks CAN Controller has high speed on board data processing and i/o fifo's to ensure a fast response to CAN bus events and low latency on remote frame data access. The Windows software provides a user friendly interface to the CAN bus through a simple script language and integrated bus monitor function. An extensive library (DLL) of functions is supplied with example code to support user embedded CAN applications.

## CAN Bus Application

Central CAN Controller function  
 CAN Bus Monitor/Analyser  
 CAN test message generator for electrical physical layer testing  
 Interface/Bridge between two CAN systems  
 Emulation of a single CAN Node  
 Emulation of a CAN system for testing a single Node

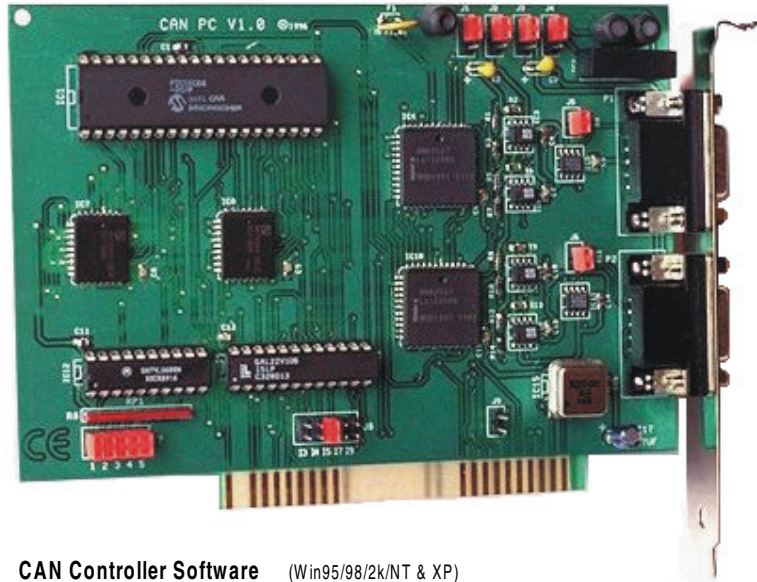
## IBM PC Interface

Mechanical: Dimensions 1/2 sized PC card (L 145mm H 98mm)  
 Electrical: Power Consumption < 5 Watts  
 8 Bit ISA Card  
 IRQ 3,4,5,7,9 - Jumper Selectable  
 I/O base address range 300-378h - memory map of 4 locations

Ambient Operation: 0..+ 70 C  
 Temperature: Storage: -40..+ 125 C  
 Recommended PC Hardware: IBM PC AT or 100% Compatible, 486/Pentium Processor, 4MB Ram minimum

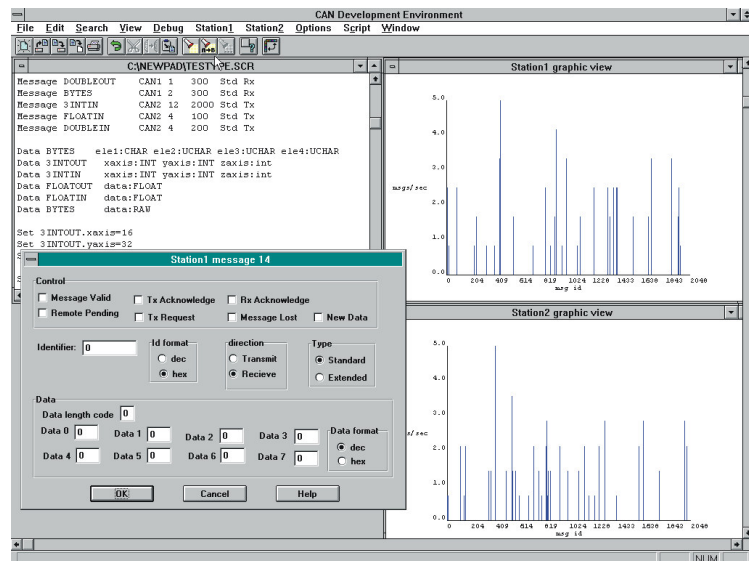
Pricing GBP 220.00 EUR 315.00

Bitworks Design & Consultancy  
 www.bitworks.co.uk



**CAN Controller Software** (Win95/98/2k/NT & XP)  
 CAN Development Environment (CANDE)  
 CAN Message Script Language, Message creation, transmission and reception, data formatting & conditionals.  
 CAN Hardware Configuration.  
 Host for CANMON.

**CAN Monitor (CANMON)** (Win95/98/2k/NT & XP)  
 Full CAN bus Monitoring, time stamped data logging of CAN Data, Remote & Error Frames.  
 Graphical CAN message display. Message Trace facilities, filtering and masking.  
 Message Analysis and Statistics.



## CAN Bus Interface

Two CAN ports to ISO 11898 Part 2.0B, both configurable to high speed opto-isolated CAN CIA specification.

Direct access to the Intel 82527 CAN controller Tx & Rx signals via the bus connector.  
 On board data processing (PIC 16C64 @ 20mhz) & bi-directional buffers.  
 Support for Standard (11Bit) & Extended (29 Bit) Identifiers.  
 Connectors 2 \* 9 pin D types to CIA Specification.