# T89C51CC01/02 CAN MCU Demo-kit

The T89C51CC01/02 demo-kit is a standalone application board to easily evaluate the T89C51CC01 and T89C51CC02 devices.

Along with the Atmel FLIP software, the board helps to evaluate the Flash and EEPROM In-system Programming functionality of the device. Designers can use the T89C51CC01/02 UART connected to a PC serial port, or the CAN bus interface connected either to a CAN board plugged into a PC or a parallel port dongle able to recreate a CAN line. Verify the correct bootloader is used

It is also possible to link this kit to an existing CAN High Speed network to initiate or receive CAN messages.

**The kit hardware consists of two parts:**

● A main board or C51 Generic Demoboard
● A second board called CAN Extension Board

**The kit comes with:**

● A user's manual
● A CANary™ CDROM, containing a full set of documentation and associated software.

**C51 Generic Demoboard features**

● LCD display (2 lines of 16 characters)
● Eight LED bargraph
● Socket for 128kB Flash memory (2x64kB memory page)
● Three different sockets: PLCC44, PLCC68 and DIL24 (for standard C51)
● In-system Programming (ISP) capability to download HEX files into the 128kB flash

● Hardware switch to activate the C51 Flash boot loader after reset
● RS232 connector
● Extension connectors
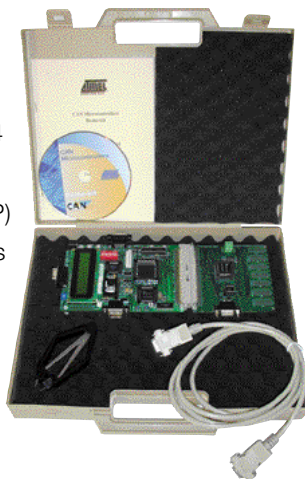● On-board regulator (9 V external supply)

**CAN Extension Board features**

● On-board CAN transceiver in SO8 package. DIP8 socket also available for other types of CAN drivers
● D_sub connectors conforms to CIA ("CAN In Automation") recommendation for CAN High Speed Bus
● ADC reference voltage inputs: VAGND and VAREF
● Capability to activate T89C51CC01 boot loader to perform ISP of Flash and/or EEPROM using either UART or CAN connectors

**CDROM content**

● Datasheet
● Product flyer
● Application notes
● Frequently Asked Questions (FAQ)
● Software CAN drivers

**Ordering Part Number:** CAN-DEMOBOARD1

**www.atmel.com**