



905181

CAN-NET Education Kit

Supports Students, Engineers, and Hobbyists in learning how to work with the basics of CAN Communication Networks. The bench top kit is pre-assembled and ready to use in the lab. It is designed around a family of cost effective and easy to use Microcontroller and CAN Network interface products produced by Microchip. Use existing or write your own code to control the PICmicros with the CAN Network. Add plug in expansion cards to increase capability. The kit includes software to demonstrate a working network.

The kit consists of:

(1) Qik Start CAN Education Board (905185) with LCD readout, matrix keypad, 2 potentiometers, 8 LEDs, RS-232 or RS-485 interface, In Circuit Debugger (ICD) and a CAN port so that actual bench experiments can be tied to equipment. The ICD capability of the PICmicro 16F877 flash part makes for easy programming, changes and testing. All controller pins are available for interconnection.

(1) CAN Node Board (905186) is the node interface. It features a 4 position dip switch for setting the Node ID using Microchip MCP 2510 CAN interface chip. The board uses a microchip 16F876 microcontroller with ICD capability. Several optional

expansion cards can be plugged into the 15 pin expansion connector.

(1) CAN Demonstration I/O Board (905187) provides a potentiometer, LED switch, and incandescent lamp for exercising basic analog and digital Input/Output signals.

The Kit can be expanded by adding more CAN Node Boards and Expansion Boards (see chart below).

Use the kit to:



Learn about CAN Networks



Demonstrate a bench top working CAN network



Develop products with a CAN network to prove out design ideas.