



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Embedded Serial Busses Development Kit

Sku: 53319-577



## Development Kit Options

Tools Included	w/Compiler	Just H/W	Only PCB
Compiler Software	●		
Programmer	●	●	
Prototyping board	●	●	●
Power supply & cables	●	●	
Exercise book	●	●	
Price			
<b>Buy Now</b> →	<b>Add</b>	<b>Add</b>	<b>Add</b>

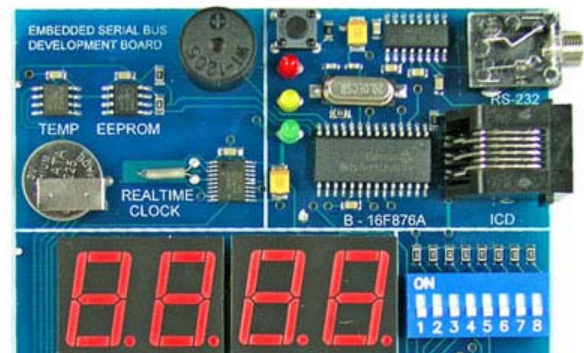
This kit gives users an introduction to SPI and I2C serial buses. The development kit includes the powerful PCW Integrated Development Environment with compiler support for Microchip's PIC<sup>®</sup> PIC10, PIC12 and PIC16 families and an ICD-U64 in-circuit programmer/debugger that supports C-aware real time debugging. The prototyping board has two nodes and shares common I/O, memory and sensor components between two PIC16 MCUs.

The first node has a PIC16F877A chip connected to a 74HC165 parallel-in/serial-out shift register, which allows its user to read a bank of eight DIP switches. Four 74HC595 serial-in/ parallel-out shift registers allow the user to display information on a four digit 7-segment LED display.

The second node has a PIC16F876A chip, which shares an I<sup>2</sup>C temperature sensor and a serial EEPROM with the first node. This allows for the investigation into data collision while accessing shared components. Both nodes have their own potentiometer, LEDs, push-button and RS-232 port.

## Embedded Serial Busses Prototyping Board (Size 4.5" x 3.25") includes:

- PIC16F877A
- PIC16F876A
- 30 I/O Pins (7 Can Be Analog)
- Two Nodes
- Common I<sup>2</sup>C Bus Between Nodes
- I<sup>2</sup>C EEPROM
- I<sup>2</sup>C Temperature Sensor
- SPI Bus to Real-Time Clock
- Three 7-Segment LEDs
- 8 DIP Switches





- Expansion I/O Bus
- Connections Between MCU Nodes for custom communications

## Embedded Serial Busses Development Kit includes:

- Embedded Serial Busses Development Board
- In-Circuit Debugger/Programmer
- Exercise Tutorial
- 9V AC Adapter and Cables

