

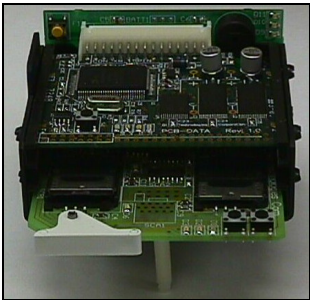
# SmartVend

## Flexible Unattended Point of Sale Solutions

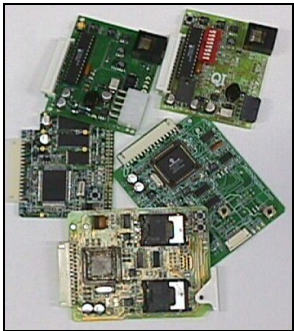
*SmartKit uses an extensible multi-board architecture.*



*Plug-in SmartKit solution*



*Plug-in Parking solution*



*Some SmartKit "plug and play" boards.*

With **QI Systems'** modular **SmartVend** products, cash card payment capability is available for virtually all types of self-serve payment devices. Our standardized modules support quick development of Cash Card payment systems for OEM and custom applications, and offer options for flexible data retrieval and communication to meet growing system demands.

### Multi-Board Architecture

**QI's** Cash Card payment systems consist of an incremental multi-board architecture. Using a variety of exchangeable modules in addition to our standard Card Board for all payment systems means **QI** can create an efficient, cost-effective solution for any application... eliminating nearly all component customization.

Modular flexibility means our products can be implemented in many markets. They are compatible with payphone, laundry, transit ticketing, parking and vending machine applications, as a single or complimentary payment method.

**QI Systems'** systems support **VISACash**, **Mondex** and other open or closed electronic purse schemes. Using a single Card Interface solution allows **QI** to address the requirements of a host of industry applications without re-certification.

Through our standardized plug-in modules manufacturers, integrators and operators can quickly incorporate Cash Card convenience, security and accounting advantages into their Unattended POS products during manufacture or as a field upgrade. **QI's QLink** handheld computers support our **SmartKit** solutions, enabling the convenient off-line collection of sales and vend transaction data.

The **SmartKit Modules** uphold **QI's** commitment to keep its products current with the rapid evolution of Cash Card technology, enabling manufacturers to cost-effectively do the same.

# Standard QI Modules:

Features	
✓	Convenient multi-application design reduces fabrication of new components.
✓	Standardized Card Board modules eliminate the need for PCB re-certification in new applications.
✓	Modules are more convenient to upgrade than single board solutions.
✓	Cost incremental with functionality.
✓	Modular “plug-and-play” configuration accommodates different system and power source requirements without re-design of payment board.

## *The Basis of Our Solutions*

### **SmartKit Card Interface:**

#### **Card Board:**

Performs all card interface functions.  
Works with optional data storage board.  
Approved for **VisaCash**, **Mondex** and other electronic purse schemes.  
ISO 7816 and EMV 96 compliant.

#### **Data Board:**

For purse schemes which generate transaction records, as the **VISA Cash** system does, an optional data storage board is used. This allows data storage for purse schemes as well as for loyalty applications.

### **Machine Interface:**

A machine interface board tailors **SmartKit** to any target machine, providing for the necessary power and external communications requirements.  
**MDB, Single Price, MicroMech, Maytag** and other boards are currently available for standard machine interfaces. New interfaces can be developed.

### **User Interface:**

In the **SmartKit II** vending solution the user interface is provided via buttons and a display connected directly to a Backplane. The Backplane connects the other boards in the system. In our OEM solutions the user interface may be directed through the host machine’s existing user interface components eliminating duplication and simplifying machine use.

## **Typical Configuration Solutions:**

### ✓ **SmartKit:**

*Standard Vending machine Kit.*

Uses Card Board, Backplane and Machine Interface Board. Data Board is optional. (MDB, Single Price, Micro Mech, or other added as required).  
Designed for direct installation in the bill validator location standard in most modern Vending Machines.  
Package includes Bezel, Four User Buttons, LCD Display and cabinet.

### ✓ **Maytag Laundry:**

*Standard Kit for use with Maytag G1 and G2 card payment machines.*

Uses Card Board and Maytag Board.  
User interface is through Maytag Console.  
Packaged in an open chassis for installation inside Maytag console or coin-meter casing.

### ✓ **Parking Module:**

*Custom configuration for pay and display parking dispensers.*

Uses Card Board, Data Board and custom Backplane with OEM serial interface to parking console.  
Packaged in an open chassis for installation inside the dispenser cabinet.

### ✓ **Your Solution:**

*Based on the same building blocks as previous configurations – new solutions can be generated!*

Custom OEM modules can be assembled for essentially any Unattended POS application. The modular SmartKit design approach ensures quick response and cost effective solutions for your applications.

***Call us to explore the opportunities.***

QI Systems Inc.  
101-3820 Jacombs Road, Richmond, BC Canada V6V 1Y6  
Tel (604) 248-2301 Fax (604) 248-2306  
Sales & Support 1 (888) 814-5899  
Email: [products@qisystems.ca](mailto:products@qisystems.ca)  
Web: <http://www.qisystems.ca>