



# SmartVend

## QLink<sup>®</sup> cash collection



**Compaq Aero 2100 Series**  
QLink has the flexibility run on many  
Palm-top Devices

### TroubleFree e-Cash Collection From 'OffLine' Payment Devices

**QI Systems** developed **QLink<sup>®</sup>** specifically for VISA Cash, to enable cash card use in Unattended Point of Sale (UPOS) devices. Before QLink, card-accepting devices (CADs) were only viable in areas where direct ('On-Line') phone or radio communications could be established with the Visa Concentration Point. This connection usually required an expensive networking solution with either complex wiring or costly radio equipment. With the QLink, SmartKit for VISA Cash can be installed in vending, laundry, newspaper and copy machines at any location. One QLink unit can support more than a hundred machines in multiple locations.

QLink is software running on a hand held computer, otherwise known as a Personal Digital Assistant or PDA. It collects data from CADs and stores the files for later VISA processing. After visiting any number of CADs, QLink presents the data to VISA in a single modem call, with each CAD appearing as a station on a network. During this call, the VISA Concentration Point returns clearing information for each CAD so the next time QLink visits each CAD the appropriate Visa Update is presented. This ensures quick and simple communications with individual machines as well as a systematic way to collect ecash from a series of machines.

The collection method is simple. Inserting a SmartLink paddle into the card reader allows QLink to retrieve information directly from the front of the CAD. Summaries can be viewed on the QLink screen. It's an ideal tool for VISA Cash merchants.

USA Today has used QLink for newspaper boxes, by U.S. Veterans Affairs Hospitals for vending machines, and for collections from POS devices by VISA International in Manhattan. Scotiabank is using QLink for vending, photocopy and laundry machines in Barrie, Ontario.



Fast, simple and secure. The QLink  
VISACash card cash collection system  
from QI Systems Inc..

# features

## VERSATILITY

With QLink and SmartKit, almost any vending, laundry, ticketing or photocopy machine can be made VISA Cash compatible. There is no need to have a phone or radio communications link to the Card Acceptance Device in each machine. The benefits of cash card technology - convenience, affordability and security -- and the SmartKit reader are made available even in 'offline' UPOS equipment.

## CONVENIENT REPORTING

QLink delivers instantaneous records on sales for a particular machine. Each QLink can collect from more than 100 VISA Cash readers and allows direct reporting of VISA Cash collection values from each reader. - Information from each machine is transmitted by modem to a Visa Concentration Point as a station on a network.

## SECURITY

UPOS Devices are vulnerable to theft and vandalism. Cash cards reduce the incentive for thieves to attack these machines by reducing the presence of cash. QLink allows VISA Cash cards to be used even in offline machines. A lost QLink doesn't mean lost cash. The replacement unit will recollect and send the VISA files until cleared.

### QLink Package

Palmtop PC
Desk modem/modem
Modem adapter
SmartLink Paddle
QLink software license
Options
Windows CE Version
DOS Version

### QLINK SPECIFICATIONS

- Device: Windows CE, Palm or DOS Compatible Palmtop
- Display: Active Matrix or LCD
- Human Interface: Touch Screen or Keyboard
- Input/Output: 9 wire serial RS232 interface
  - Infra Red Serial Port
  - Full or Mini PCMCIA card slot
- Power: Rechargeable main batteries
- Backup Power: Lithium coin cell battery

Please understand that these specifications are subject to the device you decide to use. QI Technologies currently delivers the Compaq Aero 1550 to all new customers. It is a Palm style Windows CE Device with a color touch screen interface. Full system specifications for this device can be found on Compaq's web site.



Cash Card Solutions  
for consumers and industry

**QLink is fully tested and certified by Visa International to be compliant with The VISA Cash Communications Specification.**

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