

K23 Family

Keycorp's Hand-over Intelligent PIN Pad and Terminal



The **K23 Family** provides a sleek, ergonomic and flexible payment solution for merchants and retailers. It offers a complete range of payment and other value-added services.

The **K23** Intelligent PIN Pad is a powerful yet versatile platform that can be easily used to create a cost effective EMV solution for large and small merchants.

Powerfully Capable and Easy to Use

The K23 is a true hand-over terminal. It is simple to use with a large, clear, backlit graphics display. It includes four intuitive screen-addressable keys in addition to scroll keys that simplifies the navigation of on-screen menus.

The K23 PIN Pad includes ample memory to take advantage of the terminal's advanced multi-application and Internet TCP/IP communications capabilities. A broad array of applications such as loyalty, multi-currency, prepaid top-up and ticketing are supported. With a privacy shield, superior processing power, as well as physical and logical security, the K23 family terminal/PIN Pad delivers secure, fast transactions.

KEY FEATURES

- Credit/debit and other value-added applications
- Vertical magnetic stripe card reader
- Modular SAMs
- Compact, robust and secure
- Software and hardware compatibility with other Keycorp product families
- True hand-over terminal
- Flexible communications options



TECHNICAL SPECIFICATIONS

The flexible K23 can be combined with the K76 Printer Communications module to create a complete stand-alone payment solution. Experience has proven that a two-piece solution where the PIN Pad can be easily and simply handed to the customer is a much-preferred solution for both consumers and retailers. In fact, many markets are now mandating that the card must never leave the cardholders hands further enhancing the need for greater ease of use.

In an ever-changing market place this also provides Keycorp customers with the ability to upgrade communications in the field – all without changing the PIN Pad. And let's not forget the benefits this creates for maintenance and repairs.

With an outstanding graphics display, vertical magnetic stripe reader and modular SAMs, the innovative styling and simple ergonomics of the K23 combines ease of use with easy installation.

The sophisticated security architecture such as secure keyboard scanning and application file signing employed in the K23 has easily surpassed the industry requirements for EMV and Visa PED – all with great performance.

This flexibility, performance and innovation together with Keycorp's industry-recognised reliability and dependability makes the K23 family the only choice for now and the future.



Microprocessor & memory

CPU 16-bit
1 MB SRAM (up to 2 MB)
4 MB FLASH (Up to 8 MB)
Optional cryptographic co-processor

Vertical magnetic stripe card reader

Bi-directional hi-coercivity card reading
Tracks 1&2 or 2&3

User interface

128x64 backlit graphics display
4x3 alphanumeric keyboard
4 intuitive screen-addressable keys
2 navigation/scroll keys
2 additional programmable keys

Smartcard

EMV 4.0 Level 1 & 2 certified
Supports ISO 7816, 3V and 5V cards
T=0 & T=1
Field upgradeable SAM board (2 SAMs)
Optional additional 4 SAMs in Printer Communication module

Security

PED certified
DES/3DES/RSA encryption
Independent security certification
Interac approved (Canada)
ETSL certified (New Zealand)
Application authentication
Secure keyboard scan algorithms
Privacy shield
Tamper evident, tamper responsive

Communications & modules

USB 1.1
TTL/RS-232 for use with printer/communications module
Powered RS-232 RJ11/DB9 (optional power supply for DB9)
Optional RS-485 and RS-422
High speed thermal printer @ 15 lps (optional impact printer)
Modem – 14.4 kbit/s V.22, V.22bis (FastConnect), V.29QC, V.32, V.32bis, Async/Sync HDLC NRM

Dimensions

Length: 182 mm (7.2 in)
Width: 89 mm (3.5 in)
Depth: 58 mm (2.2 in)
Weight: 280 g (0.64 lbs)

Standards & certifications

ICSA-C22.2 No 950-M89
EN 60950
EN 50082-1:1992
EN 55022:1994
CE, FCC and C-Tick

Environment

Operating temperature: 0°C to 40°C (32°F to 104°F)
Storage temperature: -10°C to 70°C (14°F to 158°F)
Relative humidity: up to 85% non-condensing
Power 9V Universal DC

Keycorp Limited

Level 5 Keycorp Tower
799 Pacific Highway Chatswood
NSW 2067 SYDNEY Australia
Tel +61 2 9414 5200 Fax +61 2 9415 1363
Email: info@keycorp.net www.keycorp.net

Keycorp Canada Inc.

Suite 700
3700 Steeles Avenue West
Woodbridge Ontario L4L 8K8 Canada
Tel 905 265 9196 Fax 905 265 2257
www.keycorp.ca

