

Introduction

The keyboard options proposed here by Devlin Electronics is to provide a vision of what can be provided from the existing range of solutions or alternatively to generate ideas for custom solutions. When the bank or post office decide on a final technological, ergonomic and aesthetic specification a custom (or existing) solution may be produced to optimise teller efficiency, profitability and ensure lowest possible cost of ownership. All Devlin solutions are built to last; only best of breed components are used and all keyboards and PIN Pads are built around the future proofed, remotely programmable eKrypto™ platform. Ease of remote maintenance, reliability, longevity, durability and intuitive operation all contribute to achieving lowest cost of ownership and low training costs as operators may use the same devices over 12 – 15 years.

As a result of having produced such a broad range of custom keyboard solutions Devlin can offer a range of 'off the shelf' solutions to meet customer needs. It should be borne in mind that changes to key matrix layout, key colours, key legends and programming of shortcut keys are straightforward for existing solutions within the constraints of the existing housing.

Model KBP-101-300

This unique integrated design allows an easy migration and a cost effective path for banks changing, or upgrading, their teller platform, especially when implementing smart cards. This keyboard comes with an integrated reader for MICR cheques and giros. However options include an OCR cheque and giro reader or a combined MICR, OCR cheque and giro reader. The KBP-101-300's 2 external USB ports allow for direct connection to other USB devices such as the eKrypto™ secure PIN Pad, an external mouse or receipt printer.



KEY FEATURES INCLUDE:

- Fully 'future proofed' by secure remote programmable software resulting in a greatly extended product life and significantly reduced maintenance costs
- Ultra small footprint
- Ergonomic key layout
- MICR or OCR cheque reader
- 2 x smart card reader
- 2 or 3 track magnetic card reader
- Media input & output trays
- Document holder tray
- Cable tidy panel
- Single cable USB interface
- Connection port for auxiliary peripheral device RS232 or USB
- 2 x USB downstream ports for peripheral device connection e.g. PIN pad, receipt printer etc...
- Fully customised service available for enclosure and keytop layout, colours & legends

DL4517400



Model KMX-096-200

This small footprint, 96-key banking keyboard has been specifically designed for retail banking applications, and for teller positions where space is at a premium. The KMX-096-200's 2 external USB ports allow for direct connection to 2 other USB devices such as the eKrypto™ secure PIN Pad, an external mouse or a receipt printer. This is the ideal option where no document/cheque reading is to be performed at the teller position.



KEY FEATURES INCLUDE:

- Fully 'future proofed' by secure remote programmable software resulting in a greatly extended product life and significantly reduced maintenance costs
- Ultra small footprint
- Ergonomic, custom 96-key layout
- Industry leading, high integrity, data encryption
- 2 x smart card reader
- 1,2 or 3 track magnetic card reader
- 2 x USB downstream ports for peripheral device connection e.g. PIN pad, receipt printer etc.
- Single USB cable interface
- Fully customised service available for enclosure and keytop layout, colours & legends

Model KMX-093-300

The KMX-093-300 features a hybrid cheque reader mechanism with an integrated 'swipe and park' device. The keyboard architecture has been ergonomically designed to include a variety of payment media and an integrated 2 button touchpad device. The KMX-093-300's 2 external USB ports allow for direct connection to 2 other USB devices such as the eKrypto™ secure PIN Pad, an external mouse or a receipt printer.



KEY FEATURES INCLUDE;

- Fully 'future proofed' by secure remote programmable software resulting in a greatly extended product life and significantly reduced maintenance costs
- Ultra small footprint
- Ergonomic key layout
- MICR or OCR cheque reader
- 1 x smart card reader
- 2 or 3 track magnetic card reader
- Media input & output trays
- Single cable RS232 or USB interface
- Connection port for USB auxiliary peripheral device
- Fully customised service available for keytop layout, enclosure, keytop colours and legends

Devlin eKrypto™ PIN Pad

The eKrypto™ Web-Enabled Secure PIN Pad is the optimum PIN entry device where security is of paramount importance. The user identity is verified by Secret PIN rather than traditional signature. The PIN as with all other secret data transmitted from the device can be encrypted by the eKrypto™ Engine in the device controller. Therefore the data travels through the host PC/ workstation encrypted.

This device is built on the same eKrypto™ platform as both keyboards and therefore integrates seamlessly, connecting via the keyboards external USB port. The device is also therefore 'future proofed' by remote programmable software while housing options available meet the very latest Visa PED tamper evidence specifications and key switch technology ensuring longevity, reliability and low cost of ownership.



All communication between the secure PIN Pad and host is managed within the eKrypto™ controller as per the instructions of the downloaded secure smartlets. For each secure transaction to be performed with the PIN Pad a signed smartlet is downloaded to the secure PIN Pad via the connected host. Once the signature on the smartlet has been validated by the eKrypto™ controller a secure or unsecured session is initiated depending on the smartlet instruction and the resultant security status will be indicated by the LED. In secure mode all data from device to host travels encrypted, the security level determined by the smartlet. The eKrypto™ controller contains three encryption engines, DES (+3DES), SHA-1 and PKI.

There are many variants of this EMV 2000 compliant PIN Pad including a version that has integrated magnetic swipe reader, smart card reader, 4 x 16 backlit graphics LCD and is compliant to the very latest revision of Visa PED, while biometric options include integrated fingerprint swipe reader and electronic signature pad.

KEY FEATURES INCLUDE:

An Answer to Common Security Threats

Inside a workstation, data security functions are vulnerable to many difficult-to-detect software based attacks. Memory resident programs may read (=passive attack) or alter (=active attack) information, including passwords and transactions. Therefore, an isolated secure environment for performing sensitive data-security functions is required. An environment brings th

Secure Isolated Environment

- Connected to the user's PC, eKrypto™ performs all cryptographic functions internally.
- eKrypto™ Engine negates the need for costly cryptographic smart cards.
- Secure PKI Key Storage in eKrypto™ Engine.
- Passwords and other sensitive data never enter the PC in clear text.
- Computer break-ins / hacks impact limited as no data is stored on the device and all communication is encrypted.
- Tamper resistant housing



Devlin eKrypto™ PIN Pad (continued)

Web-Enabled Device

- Designed for online transactions; ideal for secure web access
- Either RS232 or USB link used to transfer messages between eKrypto™ and host
- Each message sent between eKrypto™ and host signed with verifiable digital signature

Future Proof

- Clear migration path for tomorrow's requirements.
- Downloaded smartlet defines the eKrypto™ functionality. Application changes only require a smartlet software revision, without need to update each device in the field.
- Digitally signed smartlets define the device functionality and implemented eKrypto™ security functions.

High Performance

- Top class encryption speeds via 3 built-in encryption engines (accelerators) for a faster and more reliable encryption process.
- PKI Accelerator
 - 2048 bits
 - <55ms for a 1024 bits verify
- 3DES accelerator - 340 kbps
- SHA-1 accelerator - 600 kbps
- True random number generator

