The eKrypto™ Web-Enabled PINsign PIN Pad is a combined Electronic Signature Pad with integrated virtual PIN Pad optional Magnetic or Smart Card Reader plus optional Contactless Card Reader. This compact, highly durable and secure EMV2000 compliant device performs Offline / Online PIN / Signature verification, secure PIN entry, processing. The electronic signature solution has been developed with our partner Topaz Systems Inc. using their proven SigPlus software that is fully compliant with US State and Federal electronic signature law.

User identity is verified by Electronic Signature or Secret PIN rather than traditional paper based signature methods, thereby requiring the user to either be capable of providing their unique signature and / or in possession of a physical card and knowledge of the secret PIN number. The PIN is encrypted by the eKrypto™ engine ensuring data leaves the PIN Pad encrypted. Captured Electronic Signatures are outputted and processed securely by the Topaz SigPlus software.

A secure transaction is only initiated on receipt and verification of a signed, trusted smartlet by the eKrypto™ PIN Pad via the connected Host. The eKrypto™ Controller contains three encryption engines, 3DES, SHA-1 and PKI. The eKrypto™ PIN Pad supports more than 20 applications as it is not limited to available SAM slots. Application changes only require a smartlet revision plus the PIN Pad is remotely programmable and supports secure remote key loading for greater security plus maintenance convenience and savings.
The eKrypto™ Web-Enabled PINsign PIN Pad is intended for use as:

- A Virtual PIN Pad for Secure Transactions. The PIN Pad can perform secure Offline and Online PIN Verification. Integrated Magnetic Card Readers plus optional Smart Card Reader and Contactless Card Reader for ease of migration.
- A Secure Signature Pad for Online / Offline Electronic Signature Verification and Secure Customer Focused Messaging.

The eKrypto™ Web-Enabled PINsign has an integrated large Graphic Signing Backlit LCD, Active Energised Electronic Signing Pen and Triple Track Bi-Directional Magnetic Swipe Reader (MSR). The LCD serves to provide extended user information or terms and prompt user to enter Signature, PIN or perform other actions. ISO 7816 & EMV2000 approved Smart Card Reader (SCR) and Contactless Card Reader available as optional extras. Topaz SigPlus Signature Software, J/XFS & XFS Middleware Drivers and EMV2000 Level 2 Kernel available on request.

**Technology Benefits**

**Security**
- Signature Verification
- PIN Verification
- 3 x Crypto Engines
- PKI Enabled (Up to 2048 bits)
- 3DES Enabled
- Secure Remote Key Loading
- Secure Durable Housing

**Features**
- 16/20 Key Virtual PIN Pad
- USB Serial Host Interface
- Electronic Signature Verification Online / Offline
- Online PIN Verification with Magnetic or Smart Card
- Magnetic Swipe Reader Bi-Directional Triple Track
- 5.7 inch full colour TFT VGA (640 x 480) LCD Display with Backlight (118 x 86 mm Active Area)
- Single Colour Charcoal Black Housing
- Colour LCD can display customer focused advertisements / messages
- Colour LCD can present contract terms allowing customer to sign electronically with verifiable recorded signature.
- Active low-power, rugged EM pen, 1024 pressure level option
- SigPlus development tools for ActiveX, Native Java, .NET, Linux, C++, Linux/Unix. Plug-ins for MS Word and Excel, Adobe Acrobat

**Options**
- Smart Card Reader (500,000 reader inserts)
- Chip & PIN Verification with inserted Smart Card
- Smart Card Reader Application Modules for PC/SC EMV & ISO
- Coloured Housing
- Client Logo Printing

For further information on all eKrypto™ solutions please visit [www.eKrypto.com](http://www.eKrypto.com)  
Alternatively contact our sales team at [sales@eKrypto.com](mailto:sales@eKrypto.com)