

## B2 PINPad Drivers

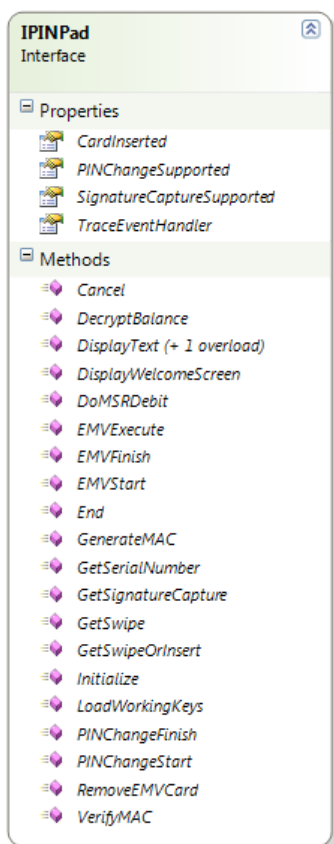
Designed together with the B2 Payment Transaction Engine (PTxE), B2 offers a series of PINPad Drivers, which provide easy integration into most existing POS systems. All the uniqueness of the PINPad interface is essentially hidden away inside the driver allowing the POS to use a generic command set to implement the PINPad functionality. Switching between different PINPads becomes a simple exercise with no changes to the core POS logic.

You can implement an EMV® transaction with as few as four PINPad commands, “EMV Start”, “EMV Execute”, “EMV Finish” and “Remove EMV Card”. This approach greatly simplifies the required EMV® logic in the POS and abstracts the complexities of the PINPad interface away from the transaction logic.

EMV® transactions may take longer than Magstripe transactions if not implemented efficiently. The B2 PINPad Drivers have been optimized for performance, ensuring acceptable transaction times.

The following PINPads are supported:

- VeriFone PINPads using the XPI Interface (Vx810, Mx Series, Vx700, SC5000)
- Ingenico PINPads using CPX & Vega (i3070, iPP300, ML30)
- Ingenico PINPads using the UIA & Vega (i6780)



In addition to EMV® functionality, the B2 PINPad Drivers support the following standard PINPad functionality:

- Magstripe card entry
- Graphic Form operation (if supported by the PINPad)
- Interac Magstripe debit transaction flow (using a single command)
- Signature Capture (if supported by the PINPad)
- Contactless card entry (if supported by the PINPad)
- Loading of Working Keys
- MAC calculation and validation
- Retrieval of the PINPad serial number

The B2 PINPad Drivers also support the following useful debugging features:

- Event Log (multiple levels and error events)
- PINPad communication trace

Driver specific features are conveniently managed via an external XML driver file.

When integrating a B2 PINPad Driver, the POS designer still has the control of the transaction flow, allowing for custom implementation.

Available for both the Microsoft .Net platform and Java, the B2 PINPad Drivers are easily integrated into any POS system. Additional PINPad drivers are being added as new EMV® contact and contactless capable PINPad products come into the market.

Contact B2 Processing Solutions for pricing and additional information.

