

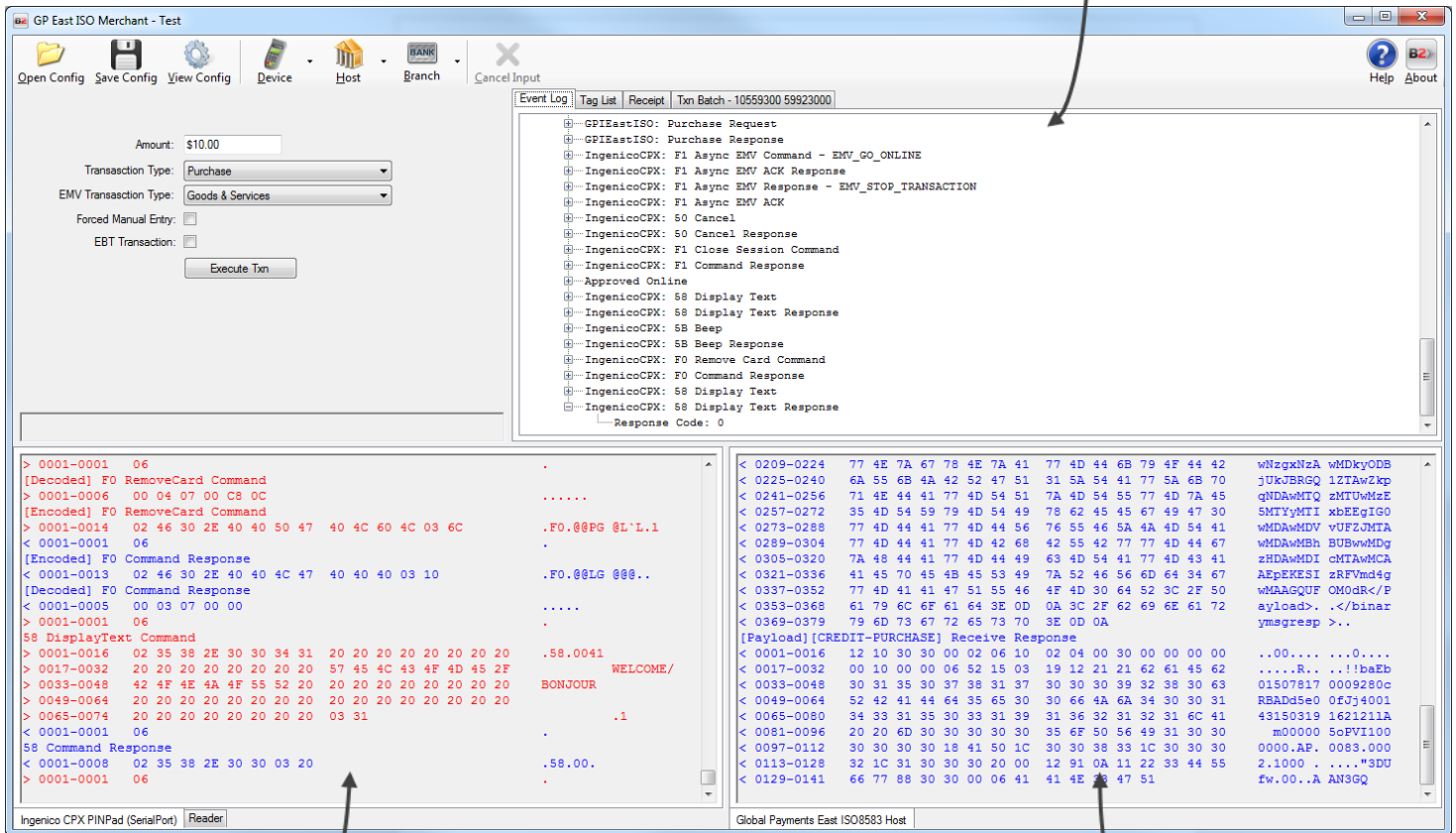
B2 Chip Integration Tool

The B2 Chip Integration Tool is a full featured development aid for POS software developers working with Chip & PIN capable PINPads. Providing complete insight into how EMV™ transactions are processed, the B2 Chip Integration Tool decreases development time by providing you with a PINPad trace, a Payment Host trace, a detailed Event Log, Data Element and EMV™ Tag list and a Receipt Viewer.

The Chip Integration Tool supports the full range of MSR, EMV™ and Contactless transaction types, PINPad operations (EMV™ initialization, PIN Change & Get Serial Number) and Host Admin operations (Key Exchange, Parameter Download & Host Settlement)

The simple interface presents all the relevant transaction information.

The information panel includes an Event Log, Transaction Data Elements (tags) List, Receipt viewer and a transaction batch list



The PINPad trace shows all messages to and from the PINPad, providing insight into the formatting and sequence of commands required for EMV transactions.

The host trace shows all messages to and from the host, providing insight into the format of the host request as well as format requests and reversals.

Bringing together the most difficult aspects of EMV™ POS software development, the B2 Chip Integration Tool is an extremely valuable tool for POS developers integrating new PINPads or interfacing to new Payment Hosts. The B2 Chip Integration tool is also a terrific training tool for technical staff responsible for designing, developing or testing EMV™ projects.

The B2 Chip Integration tool will shave months off your integration project by removing the uncertainty and risk associated with EMV™ projects.

Supported PINPads and contactless readers:

- VeriFone Vx8xx, Mx series, e3xx
- Ingenico iPP3xx, iSCxx, iCMP, iSMP
- UIC PP791
- Modularity MP³ PINPad Interface (XAC PINPad)

Supported Payment Hosts:

- Global Payments North platform
- Global Payments East platform
- Chase Paymentech PNS ISO platform
- Elavon Encompass platform
- NBS EPOS platform

Clearly view all the tags for the current transaction

Click on a tag with Bit Settings and the B2 Chip Integration tool automatically interprets the values

ID	Name	Source	Value
4F	AID	ICC	A0000000031010
50	Application Label	ICC	Visa Credit
57	Track 2 Equivalent Data	Card/ICC	4761739001010119D15122011175898938900
5A	Application PAN	Card/ICC	4761739001010119
82	Application Interchange Profile	ICC	1800
84	Dedicated Filename	ICC	A0000000031010
89	Approval Code	Host	V11000
8A	Authorization Response Code	ICC/Host	00
91	Issuer Authorization Data	Host	11223344556677883030
95	Terminal Verification Result	ICC	8080008000
9A	Transaction Date	Terminal	15/03/19
9B	Transaction Status Indicator	ICC	6800
9C	EMV Transaction Type	Terminal	00
5F20	Cardholder Name	Card/ICC	DI Test/Card 01
5F24	Expiry Date	Card/ICC	15/12

Byte1 Bit8: 0 - Offline data authentication was not performed
 Bit7: 0 - SDA failed
 Bit6: 0 - ICC data missing
 Bit5: 0 - Card appears on terminal exception file 21
 Bit4: 0 - DDA failed
 Bit3: 0 - CDA failed
 Bit2: 0 - RFU
 Bit1: 0 - RFU
 Byte2 Bit8: 0 - ICC and terminal have different application versions
 Bit7: 0 - Expired application
 Bit6: 0 - Application not yet effective
 Bit5: 0 - Requested service not allowed for card product
 Bit4: 0 - New card
 Bit3: 0 - RFU
 Bit2: 0 - RFU
 Bit1: 0 - RFU
 Byte3 Bit8: 0 - Cardholder verification was not successful
 Bit7: 0 - Unrecognised CVM
 Bit6: 0 - PIN Try Limit exceeded
 Bit5: 0 - PIN entry required and PIN pad not present or not working
 Bit4: 0 - PIN entry required, PIN pad present, but PIN was not entered
 Bit3: 0 - Online PIN entered
 Bit2: 0 - RFU
 Bit1: 0 - RFU
 Byte4 Bit8: 1 - Transaction exceeds floor limit
 Bit7: 0 - Lower denomination offline limit exceeded

Category	Parameter	Value
Merchant	MerchantName	GP East ISO Merchant
	Language	English
	CountryCode	Usa840
	CurrencyCode	UsaDollar840
	MerchantCatCode	
Terminal	TerminalName	Test
	CardEntryTimeout	30
	PinEntryTimeout	90
	StandardEntryTimeout	45
	BinTableFileName	E:\B2 Payment Transaction Engine\Configuration\BinTabl
	KeyManagement	DUKPT
	EnableTipPrompt	False
	EnableDebitCashback	True
	EnableAveCheck	True
	EnableCvvCheck	True
	EnableBranchTerminal	False
Host	HostDriver	Global Payments East ISO8583 Host
	TerminalID	6545460056440
	MerchantID	
	HostTimeout	30

The B2 Chip Integration Tool is highly configurable. Virtually every parameter used by the tool can be configured, including supported BIN Ranges, RIDs and AIDs. Functionality can be enabled or disabled and parameters are easily viewed and changed.

Configurations can be saved in order to test different Hosts and PINPads.

Contact B2 Processing Solutions for pricing, customization options and additional information.

About B2 Processing Solutions: B2 Processing Solutions is a North American company with offices in Toronto and Atlanta. B2 Processing Solutions is a recognized industry leader, providing training, consulting, EMV™ Test Tools and Software Development to the Electronic Payments and Processing Industry since 2005.

