

# Oracle® Retail EFTLink

## Xstore Compatibility Guide



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Oracle Retail EFTLink Xstore Compatibility Guide, Release 25.0.0

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Oracle® Retail EFTLink Xstore Compatibility Guide, Release 25.0.0

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

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# Preface

The *Oracle Retail EFTLink Xstore Compatibility Guide* describes the compatibility of Oracle Retail Xstore and Oracle Retail EFTLink.

## Audience

This guide is for the following audiences:

- System administrators and operations personnel
- Database administrators
- System analysts and programmers
- Integrators and implementation staff personnel

## Related Documents

For more information, see the following documents in the Oracle Retail EFTLink Release 25.0.0 documentation set:

- *Oracle Retail EFTLink Release Notes*
- *Oracle Retail EFTLink Core Configuration Guide*
- *Oracle Retail EFTLink Framework Advanced Features Guide*
- *Oracle Retail EFTLink Framework Installation and Configuration Guide*
- *Oracle Retail EFTLink Security Guide*
- *Oracle Retail EFTLink Rest API Guide*
- *Oracle Retail EFTLink Validated Partners Guide*
- *Oracle Retail EFTLink Validated OPI Partners Guide*

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

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- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 25.0.0) or a later patch release (for example, 25.0.1). If you are installing the base release, additional patch, and bundled hot fix releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch and bundled hot fix releases can contain critical information related to the base release, as well as information about code changes since the base release.

## Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times not be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced at the Oracle Help Center (OHC) website ([docs.oracle.com](https://docs.oracle.com)), or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

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<https://docs.oracle.com/en/industries/retail/index.html>

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## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.

Convention	Meaning
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.



# 1

## Overview

This chapter provides an EFTLink and Xstore Compatibility Guide Overview.

EFTLink provides many features through its API which earlier versions of Xstore will not support. This guide provides the historical information about when Xstore integrated with each specific EFTLink feature in order to help our System Implementation (SI) Partners understand how best to make the choice of which EFTLink version they should adopt for their Xstore implementation. Due to the nature of the Xstore and EFTLink integration, SI Partners and their customers may feel more comfortable making customizations on earlier versions of Xstore to bring in additional EFTLink features from later versions of EFTLink in order to facilitate a faster implementation.

## EFTLink Version History Overview

Oracle Retail EFTLink was officially brought into the Oracle Retail Xstore Suite for GA Version 15.0. The following chapters will detail features that have been introduced for each GA version since GA version 15.0 in order to make it clear what each version of EFTLink has brought to the market for each GA version since GA 15.0.

[Xstore/EFTLink Core Compatibility](#)

[EFTLink Xstore GA 15.0 Compatibility](#)

[EFTLink Xstore GA 16.0 Compatibility](#)

[EFTLink Xstore GA 17.0 Compatibility](#)

[EFTLink Xstore GA 18.0 Compatibility](#)

[EFTLink Xstore GA 19.0 Compatibility](#)

[EFTLink Xstore GA 20.0 Compatibility](#)

[EFTLink Xstore GA 21.0 Compatibility](#)

[EFTLink Xstore GA 22.0 Compatibility](#)

[EFTLink Xstore GA 23.0 Compatibility](#)

[EFTLink Xstore GA 24.0 Compatibility](#)

[EFTLink Xstore GA 25.0 Compatibility](#)

## Xstore POS/EFTLink Version Compatibility

Oracle Retail EFTLink has always been backwards compatible with earlier versions of Xstore. The following table clearly illustrates which versions of Xstore can communicate with which versions of EFTLink. Please note that in each case the EFTLink client library must be imported into the Xstore\lib\ext folder.

**Table 1-1 Xstore POS/EFTLink Version Compatibility**

Xstore POS	EFTLink (Client Library)	EFTLink Server
v15.0+	v15.0.2, v16.0.3, v17.0.2, v18.0.1, v19.0.1	v15.0.2, v16.0.3, v17.0.2, v18.0.1, v19.0.1, v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v16.0+	v16.0.3, v17.0.2, v18.0.1, v19.0.1	v16.0.3, v17.0.2, v18.0.1, v19.0.1, v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v17.0+	v17.0.2, v18.0.1, v19.0.1	v17.0.2, v18.0.1, v19.0.1, v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v18.0+	v18.0.1, v19.0.1,	v18.0.1, v19.0.1, v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v19.0+	v19.0.1	v19.0.1, v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v20.0+	v20.0.1, v21.0, v22.0, v23.0, v24.0	v20.0.1, v21.0, v22.0, v23.0, v24.0, v25.0
v21.0	v21.0, v22.0, v23.0, v24.0	v21.0, v22.0, v23.0, v24.0, v25.0
v22.0	v22.0, v23.0, v24.0	v22.0, v23.0, v24.0, v25.0
v23.0	v23.0, v24.0	v23.0, v24.0, v25.0
v24.0	v24.0	v24.0, v25.0
v25.0	v25.0	v25.0

Never use an earlier version of EFTLink (Client or Server) with a later version of Xstore, as this may cause compatibility issues. It is recommended to always use the latest EFTLink maintenance release for a general release build. Refer to the accompanying maintenance patch notes for details.

Xstore v15.0 to v19.0 - EFTLink Client library is restricted to v19.0.1, therefore any features introduced in later versions of EFTLink are not natively supported.

Xstore v20.0 to v24.0 - EFTLink Client library is restricted to v24.0, therefore any features introduced in later versiond of EFTLink are not natively supported.

By default, EFTLink Server uses the same JRE location as Xstore, which is fine, so long as the target JRE for Xstore and EFTLink Server are the same. However, if the JRE versions differ, EFTLink Server must be configured to use its own JRE. In the event when Xstore and EFTLink JREs differ, it is strongly recommended to update both JREs to their latest versions.

If using a version of Xstore that uses JRE 1.8 with EFTLink v25 that uses JRE 21, then it is necessary to set the protocol to TLS1.2 on both sides EFTLink (client and server), which is set in either side's EftlinkConfig.properties file.

Please refer to the *Oracle Retail EFTLink Framework and Configuration Installation Guide* for further details.

# 2

## Xstore/EFTLink Core Compatibility

This chapter provides information relating to the release versions for compatibility of Xstore and EFTLink for payment terminal functionality in each Core.

Where Xstore does not support a function that is supported by one of the Cores, this would imply that a solution may be found in the customer overlay. If functionality is not listed here, then assume that it does not exist in the Core EPS API or in the Xstore base.

Cores are listed geographically:

- [International](#)
- [US Region](#)
- [European Region](#)

**Table 2-1 Supported Cores by Geographical Area**

Geographical Area	Cores
International	<a href="#">OPI Retail</a>
	<a href="#">PayByLink</a>
US Region	<a href="#">AJB FiPay</a>
	<a href="#">Cayan</a>
	<a href="#">Tender Retail</a>
	<a href="#">Verifone Point US</a>
European Region	<a href="#">Six Payment Services</a>
	<a href="#">TLG SolveConnect</a>
	<a href="#">Verifone Ocius Sentinel</a>
	<a href="#">WorldPay</a>

### International

The following Cores are supported:

- [OPI Retail](#)
- [PayByLink](#)

### OPI Retail

Operating Countries: Please refer to *Oracle Retail EFTLink Validated OPI Partners Guide*.

Supported Terminals: Please refer to *Oracle Retail EFTLink Validated OPI Partners Guide*

Table 2-2 Xstore and EFTLink Compatibility for OPI Retail

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	17.0
Sign Off	NA	15.0	17.0
Card Payment	Payment by Credit	15.0	17.0
	Payment by Debit	15.0	17.0
	Manual Authorization	NA	17.0
	Payment by Installments	NA	19.0.1
	Payment by customers saved Card Token	20.0	20.0
Check Payment/Check Verification	Payment by Check	17.0	18.0
Refund	Refund by Credit	15.0	17.0
	Refund by Debit	15.0	17.0
	Cardless Refund using Token	16.0	18.0
	Cardless Refund using customers saved Card Token	21.0	20.0
Token Support	Receive and record token for verified return	16.0	18.0
Reversal	Reversal of last transaction	15.0	18.0
	Reversal of last transaction within batch	15.0	17.0
Transaction Inquiry	Time out handling	-	18.0.1
DCC (currency conversion)	Foreign exchange tender amount, rate, currency code Functionality that is driven through the Core plugin by virtue of the <DeviceRequest> / <DeviceResponse> API	15.0	17.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	17.0
Customer Display	Sale State Notification	15.0	18.0
	Including Tender Lines	19.0	19.0
Stored Value Cards (Gift Cards)	Redeem	16.0	18.0
	Redeem Reversal	16.0	18.0
	Load	16.0	18.0
	Refund	16.0	18.0
	Balance Inquiry	16.0	18.0
	Activate and Load	16.0	18.0
	Activate Reversal	16.0	18.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	17.0
Cashback	Cashback prompted on PED, return amount to POS	15.0	18.0
Electronic Signature Capture	3 byte ASCII (3BA)	15.0	18.0

**Table 2-2 (Cont.) Xstore and EFTLink Compatibility for OPI Retail**

<b>Payment Terminal Function</b>	<b>Subtype</b>	<b>Xstore Release Version</b>	<b>EFTLink Release Version</b>
Card Swipe - non PCI cards	Get card data	15.0	18.0
Custom Forms	Terminal Display	NA	18.0
	Customer Question	NA	18.0
	Signature Capture	NA	18.0
	Phone Number Capture	NA	18.0
	Generic Numeric Capture	NA	18.0
	Date of Birth Capture	NA	18.0
	Email Address Capture	NA	18.0
	Generic Alphanumeric Capture	NA	18.0
	Charity Donation	NA	18.0
	Customer Survey	NA	18.0
	Display QR Code	NA	18.0
	Cancel QR Code	NA	18.0
Reconciliation	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	17.0
EWallet	Shopper initiated on PED - EWallet button pressed on PED (Flow 1).	19.0	19.0
	Cashier initiated with EWallet tender - QR code displayed on PED (Flow 2).	19.0	19.0
	Cashier initiated with EWallet tender - Scan QR code displayed on shopper's phone (Flow 3).	19.0	19.0
2 stage payment	Card Inserted Event / update payment / tax free shopping.	19.0	19.0
Quick Chip	Capture card details during sale.	NA	20.0
Card Token	Return Tokenized Card in Response.	20.0	20.0
	Accept Tokenized Card in Request for Payment.	20.0	20.0
	Accept Tokenized Card in Request for Refund.	21.0	20.0
Invoice Payments	Mid-sale Invoice or Bill payment.	21.0	21.0
Cell Phone Recharge	Mid-sale Cell/Mobile phone top-up.	21.0	21.0
Finalize EFT	Finalize EFT Transactions at end of sale.		22.0
PLCC	PLCC transactions: Account Lookup, Payment on Account, Application Request, and Tender.	NA	24.0
Pre-authorization Transactions	Card Acquisition function to allow the OPI PSP to return the card alias, customer ID, customer email, and card token.	NA	24.0

**Table 2-2 (Cont.) Xstore and EFTLink Compatibility for OPI Retail**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Card Acquisition	Allow the POS to request an authorization (but not settlement/capture): Authorization transaction, Authorization release transaction and Authorization top-up transaction.	NA	24.0
Terminal Status Messages	Allow an OPI PSP to send status messages back to Xstore to be displayed to the cashier.	20.0	24.0

## PayByLink

Operating Areas: US, EU, AUS, Singapore

Supported Terminals:

### Verifone

M400, P400 Plus, V240m Plus, V400c Plus, or V400m.

### Castles

Saturn 1000E

**Table 2-3 Xstore and EFTLink Compatibility for PayByLink Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	21.0
Sign Off	NA	15.0	21.0
Payment	Payment by Link	21.0	21.0
Refund	Refund by Credit	21.0	21.0
	Refund by Debit	21.0	21.0
Reversal	Reversal of last transaction	15.0	21.0
	Reversal of last transaction within batch	15.0	21.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	21.0
EFTLink server compliant	NA	NA	21.0
IP PED	NA	NA	21.0
Customer Not Present	CVV2/AVS/partial entry on PED	21.0	21.0

## US Region

The following Cores are supported:

- [AJB FiPay](#)
- [Cayan](#)

- [Tender Retail](#)
- [Verifone Point US](#)

## AJB FiPay

Operating Countries: USA, Canada

Supported Terminals:

### Verifone

MX915, MX925, M400

#### Note

AJB FiPay has six different SVC providers and therefore each SVC action will need to be checked that the SVC provider supports it.

**Table 2-4 Xstore and EFTLink Compatibility for AJB FiPay Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Check Payment/Check Verification	Payment by Check	17.0	17.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
	Cardless Refund using Token	16.0	15.0
	Cardless Refund using Token + Expiry Date	16.0	16.0.0.1
Reversal	Reversal of last transaction	15.0	15.0
	Reversal of last transaction within batch	15.0	15.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	16.0.0.1
Electronic Signature Capture	3 byte ASCII (3BA)	15.0	15.0
Token Support	Receive and record token for verified return	16.0	15.0
Card Swipe - non PCI cards	Get card data	15.0	15.0.1
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	16.0
Customer Display	Sale State Notification	15.0	15.0
	Tender Lines	19.0	19.0
IP PED	NA	NA	15.0
Stored Value Cards (Gift Cards)	Redeem	16.0	16.0
	Redeem Reversal	16.0	16.0
	Cashback / Unload	16.0	16.0

**Table 2-4 (Cont.) Xstore and EFTLink Compatibility for AJB FiPay Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
	Load	16.0	16.0
	Refund	16.0	16.0
	Cash out (Close)	16.0.1	16.0
	Balance Inquiry	16.0	16.0
	Activate	16.0	16.0
	Activate and Load	16.0	16.0
	Activate Reversal	NA	16.0
	Deactivate / Stop	NA	16.0
	Deactivate / Stop Reversal	NA	16.0
Custom Forms	Terminal Display	NA	18.0
	Customer Question	NA	18.0
	Signature Capture	NA	18.0
	Phone Number Capture	NA	18.0

## Cayan

Operating Countries: USA

Supported Terminals:

**Verifone**

MX925

**Table 2-5 Xstore and EFTLink Compatibility for Cayan Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	16.0
Card Payment	Payment by Credit	15.0	16.0
	Payment by Debit	15.0	16.0
Refund	Refund by Credit	15.0	16.0
	Refund by Debit	15.0	16.0
	Cardless Refund using Token	16.0	16.0
Reversal	Reversal of last transaction	15.0	16.0
	Reversal of last transaction within batch	15.0	16.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	17.0
Cashback	Cashback prompted on PED, return amount to POS	15.0	16.0



**Table 2-5 (Cont.) Xstore and EFTLink Compatibility for Cayan Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Electronic Signature Capture	3 byte ASCII (3BA)	15.0	16.0
Gratuity	NA	NA	16.0
Token Support	Receive and record token for verified return	16.0	16.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	16.0
Customer Display	Sale State Notification	15.0	16.0
	Tender Lines	19.0	19.0
IP PED	NA	NA	16.0
Stored Value Cards (Gift Cards)	Redeem	16.0	16.0
	Redeem Reversal	16.0	16.0
	Load	16.0	16.0
	Balance Inquiry	16.0	16.0
	Activate Reversal	16.0	16.0
Custom Forms	Customer Question	NA	18.0
	Phone Number Capture	NA	18.0
	Generic Numeric Capture	NA	18.0
	Date Capture	NA	18.0
	Signature Capture	NA	18.0
	Cancel Signature Capture	NA	18.0

## Tender Retail

Operating Countries: USA, Canada

Supported Terminals:

### Verifone

MX915, MX925

**Table 2-6 Xstore and EFTLink Compatibility for Tender Retail Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Card Payment	Payment by Credit	15.0	17.0
	Payment by Debit	15.0	17.0
Refund	Refund by Credit	15.0	17.0
	Refund by Debit	15.0	17.0
	Cardless Refund using Token	16.0	17.0

**Table 2-6 (Cont.) Xstore and EFTLink Compatibility for Tender Retail Core**

<b>Payment Terminal Function</b>	<b>Subtype</b>	<b>Xstore Release Version</b>	<b>EFTLink Release Version</b>
Reversal	Reversal of last transaction	15.0	17.0
	Reversal of last transaction within batch	15.0	17.0
Reconciliation	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	17.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	17.0
Electronic Signature Capture	3 byte ASCII (3BA)	15.0	17.0
Token Support	Receive and record token for verified return	16.0	17.0
Card Swipe-non PCI cards	Get card data	15.0	NA
	Get card data with abort	16.0	NA
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse	16.0	17.0
Customer Display	Sale State Notification	15.0	17.0
	Tender Lines	19.0	19.0
Stored Value Cards (Gift Cards)	Redeem	16.0	17.0
	Redeem Reversal	16.0	17.0
	Cashback / Unload	16.0	17.0
	Load	16.0	17.0
	Balance Inquiry	16.0	17.0
	Activate	16.0	17.0
	Activate Reversal	16.0	17.0
	Deactivate / Stop	NA	NA
	Deactivate / Stop Reversal	NA	NA
EWallet	Payment. Cashier initiated with EWallet tender - QR displayed on the shoppers phone and scanned by the POS (flow 3).	NA	19.0.1
	Refund	NA	19.0.1
	Cancel	NA	19.0.1

## Verifone Point US

Operating Countries: USA

Supported Terminals: Verifone

### Verifone

E285, M400, M440, MX915, MX925.

**Table 2-7 Xstore and EFTLink Compatibility for Verifone Point US Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
	Cardless Refund using Token	16.0	15.0.1
	Cardless Refund using Token + Expiry Date	16.0	15.0.1
Reversal	Reversal of last transaction	15.0	15.0
	Reversal of last transaction within batch	15.0	15.0
Reconciliation	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	15.0
Customer Not Present	CVV2/AVS/partial entry on PED	NA	16.0
Electronic Signature Capture	3 byte ASCII (3BA)	15.0	15.0
Gratuity	NA	NA	15.0
Token Support	Receive and record token for verified return	16.0	15.0.1
Card Swipe-non PCI cards	Get card data	15.0	15.0
	Get card data with abort	16.0	15.0.1
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	15.0
Customer Display	Sale State Notification	15.0	15.0
	Tender Lines	19.0	19.0
IP PED	NA	NA	15.0
Stored Value Cards (Gift Cards)	Redeem	16.0	16.0
	Redeem Reversal	16.0	16.0
	Cashback / Unload	16.0	16.0
	Load	16.0	16.0
	Balance Inquiry	16.0	16.0
	Activate	16.0	16.0
	Activate Reversal	16.0	16.0
	Deactivate / Stop	16.0	16.0
	Deactivate / Stop Reversal	NA	16.0
Custom Forms	Terminal Display	NA	17.0.1
	Customer Question	NA	17.0.1
	Phone Number Capture	NA	17.0.1
	Email Address Capture	NA	17.0.1

**Table 2-7 (Cont.) Xstore and EFTLink Compatibility for Verifone Point US Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
	Signature Capture	NA	17.0.1
	Charity Donation	NA	17.0.1
	Customer Survey	NA	17.0.1
	Customer Buttons	NA	17.0.1
	Display QR Code	NA	17.0.1
	Cancel QR Code	NA	17.0.1
EWallet	Shopper initiated on PED - EWallet button pressed on PED (Flow 1).	NA	19.0.1
	Cashier initiated with EWallet tender - QR code displayed on PED (Flow 2).	NA	20.0.1

## European Region

The following Cores are supported:

- [Six Payment Services](#)
- [TLG SolveConnect](#)
- [Verifone Ocius Sentinel](#)
- [WorldPay](#)

## Six Payment Services

Operating Countries: Europe

Supported Terminals:

**Yomani** terminal

**Ingenico** Desk/3500

**Table 2-8 Xstore and EFTLink Compatibility for Six Payment Services**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	15.0
Sign Off	NA	15.0	15.0
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
Reversal	Reversal of last transaction	15.0	15.0

**Table 2-8 (Cont.) Xstore and EFTLink Compatibility for Six Payment Services**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Reconciliation	Reversal of last transaction within batch	15.0	15.0
	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	15.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	15.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	15.0
EFTLink server compliant	NA	NA	15.0
IP PED	NA	NA	15.0

## TLG SolveConnect

Operating Countries: UK

Supported Terminals:

### Verifone

VX680, VX820.

**Table 2-9 Xstore and EFTLink Compatibility for TLG SolveConnect**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
	Cardless Refund using Token	16.0	15.0
Reversal	Reversal of last transaction	15.0	16.0
	Reversal of last transaction within batch	15.0	16.0
DCC (currency conversion)	Foreign exchange tender amount, rate, currency code Functionality that is driven through the Core plugin by virtue of the <DeviceRequest> / <DeviceResponse> API.	17.0	16.0
Cashback	Cashback prompted on PED, return amount to POS	15.0	15.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	15.0
Gratuity	NA	NA	15.0

**Table 2-9 (Cont.) Xstore and EFTLink Compatibility for TLG SolveConnect**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Token Support	Receive and record token for verified return	16.0	15.0
Card Swipe - non PCI cards	Get card data	15.0	15.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	16.0
	Suppress Merchant copy for EMV Chip transactions	NA	16.0
Ticket Reprint (Direct)		NA	15.0
EFTLink server compliant		NA	16.0
IP PED		NA	16.0
2 stage payment	Card Inserted Event / update payment	NA	15.0
Stored Value Cards (Gift Cards)	Redeem	16.0	15.0
Stored Value Cards (Gift Cards)	Redeem Reversal	16.0	15.0
	Cashback / Unload	16.0	15.0
	Load	16.0	15.0
	Balance Inquiry	16.0	15.0

## Verifone Ocius Sentinel

Operating Countries: UK

Supported Terminals:

### Verifone

VX810, VX820, P400.

**Table 2-10 Xstore and EFTLink Compatibility for Verifone Ocius Sentinel**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	15.0
Sign Off	NA	15.0	15.0
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Check Payment/Check Verification		17.0	15.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
	Cardless Refund using Token	16.0	15.0

**Table 2-10 (Cont.) Xstore and EFTLink Compatibility for Verifone Ocious Sentinel**

<b>Payment Terminal Function</b>	<b>Subtype</b>	<b>Xstore Release Version</b>	<b>EFTLink Release Version</b>
Reconciliation	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	15.0
DCC (currency conversion)	Foreign exchange tender amount, rate, currency code Functionality that is driven through the Core plugin by virtue of the <DeviceRequest> / <DeviceResponse> API.	17.0	15.0
Cashback	Cashback prompted on PED, return amount to POS	15.0	15.0
Customer Not Present	CVV2/AVS/partial entry on PED	17.0	15.0
Gratuity	NA	NA	15.0
Token Support	Receive and record token for verified return	16.0	15.0
Card Swipe - non PCI cards	Get card data	15.0	15.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	15.0
	Suppress Merchant copy for EMV Chip transactions	NA	15.0
	Create receipt from XML elements provided by EPS	NA	15.0
Ticket Reprint (Direct)	NA	NA	15.0
IP PED	NA	NA	15.0
	Card read, card payment	16.0	15.0
Stored Value Cards (Gift Cards) Gift cards are supported on the VX820 only.	Redeem	16.0	15.0
	Redeem Reversal	16.0	15.0
	Cashback / Unload	16.0	15.0
	Load	16.0	15.0
	Balance Inquiry	16.0	15.0
	Activate	16.0	15.0

## WorldPay

Operating Countries: UK

Supported Terminals:

**Ingenico**

iPP350

**Table 2-11 Xstore and EFTLink Compatibility for WorldPay Core**

Payment Terminal Function	Subtype	Xstore Release Version	EFTLink Release Version
Sign On	NA	15.0	15.0
Card Payment	Payment by Credit	15.0	15.0
	Payment by Debit	15.0	15.0
Refund	Refund by Credit	15.0	15.0
	Refund by Debit	15.0	15.0
	Cardless Refund using Token	16.0	15.0
Reconciliation	Reconciliation with Closure Functionality that is typically available via the hardware maintenance menu on the Xstore POS client, that is, uses the <ServiceRequest> / <ServiceResponse> API.	15.0	15.0
DCC (currency conversion)	Foreign exchange tender amount, rate, currency code Functionality that is driven through the Core plugin by virtue of the <DeviceRequest> / <DeviceResponse> API.	17.0	15.0
Cashback	Cashback prompted on PED, return amount to POS	NA	15.0
Token Support	Receive and record token for verified return	16.0	15.0
Combined EFT/Tax Receipts	Defer customer copy to <CardServiceResponse>	16.0	15.0
	Suppress Merchant copy for EMV Chip transactions	NA	15.0
IP PED	NA	NA	15.0



# 3

## EFTLink Xstore GA 15.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### **EFTLink Features Introduced and Supported in GA Release v15.0**

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
  - Customer Not Present
- Refund
- Tokenized Refund
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode

- PED Pooling in Server Mode

**EFTLink Features Integrated to Xstore for GA Release v15.0**

- Logon
- Sale
- Refund
- Tokenized Refund
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions

# 4

## EFTLink Xstore GA 16.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v16.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - **Card Acquisition [Tax Free Shopping Support]**
- Refund
- Tokenized Refund
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)

- Customer Display - Sale State Notification
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode

#### **EFTLink Features Integrated to Xstore for GA Release v16.0**

- Logon
- Sale
  - **Transaction Token Support**
- Refund
- **Tokenized Refund**
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- **Combined Receipts**
- **Stored Value Cards**
  - **Redeem**
  - **Redeem Reversal**
  - **Load**
  - **Load Reversal**
  - **Activate**
  - **Activate Reversal**
  - **Balance Inquiry**
  - **Cash Out**

# 5

## EFTLink Xstore GA 17.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v17.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
- Refund
- Tokenized Refund
- **Check Payment / Verification**
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out

- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode

#### **EFTLink Features Integrated to Xstore for GA Release v17.0**

- Logon
- Sale
  - Transaction Token Support
  - **Customer Not Present**
  - **DCC (Dynamic Currency Conversion)**
- Refund
- **Tokenized Refund**
- Check Payment / Verification
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out

# 6

## EFTLink Xstore GA 18.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v18.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
- Refund
- Tokenized Refund
- Check Payment / Verification
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out

- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
- **Custom Forms**

#### **EFTLink Features Integrated to Xstore for GA Release v18.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Card Acquisition [Tax Free Shopping Support]
- Refund
- Tokenized Refund
- Check Payment / Verification
- Reversal (Void)
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out



# 7

## EFTLink Xstore GA 19.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v19.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - **EWallet**
  - **Installments**
- Refund
  - Credit/Debit
  - **EWallet**
- Tokenized Refund
  - Credit/Debit
  - **EWallet**
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - **EWallet**
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal

- Load
- Load Reversal
- Activate
- Activate Reversal
- Deactivate
- Deactivate Reversal
- Balance Inquiry
- Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - **Tender Lines**
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
- Custom Forms
- **Record Payment Provider (Prevent cross tokens)**

#### **EFTLink Features Integrated to Xstore for GA Release v19.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Card Acquisition [Tax Free Shopping Support]
  - **EWallet**
  - **Installments**
- Refund
  - Credit/Debit
  - **EWallet**
- Tokenized Refund
  - Credit/Debit
  - **EWallet**
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - **EWallet**
  - Reversal of last transaction

- Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
  - **Tender Lines**
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- **Record Payment Provider (Prevent cross tokens)**

# 8

## EFTLink Xstore GA 20.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v20.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* **Disable Cashback for SCO Mode**
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - **Support Check Image**
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction

- Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - **PED Identification**
  - **Support Line Display for Default PED**
- **Multiple Core Support**
  - **EWallet**
  - **Stored Value Cards**
- Custom Forms
- Record Payment Provider (Prevent cross tokens)
- **REST API**
  - **Support custom applications using Xservices integrations**

#### **EFTLink Features Integrated to Xstore for GA Release v20.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* **Disable Cashback for SCO Mode**

- Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
- **Card Token**
  - **Record Tokenized Card from EFTLink Response**
  - **Send Tokenized Card in Request for Payment**
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- Record Payment Provider (Prevent cross tokens)

# 9

## EFTLink Xstore GA 21.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

### EFTLink Features Introduced and Supported in GA Release v21.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - **Invoice Payments**
  - **Cell Phone Recharge**
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - Support Check Image
- Reversal (Void)
  - Credit/Debit

- EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - PED Identification
  - Support Line Display for Default PED
- Multiple Core Support
  - EWallet
  - Stored Value Cards
  - **Pay By Link**
- Custom Forms
- Record Payment Provider (Prevent cross tokens)
- REST API
  - Support custom applications using Xservices integrations

#### **EFTLink Features Integrated to Xstore for GA Release v21.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present



- DCC (Dynamic Currency Conversion)
- Cash Back
  - \* Disable Cashback for SCO Mode
- Card Acquisition [Tax Free Shopping Support]
- EWallet
- Installments
- **Pay By Link**
- **Invoice Payments**
- **Cell Phone Recharge**
- Card Token
  - Record Tokenized Card from EFTLink Response
  - Send Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate

- Activate Reversal
- Balance Inquiry
- Cash Out
- Record Payment Provider (Prevent cross tokens)

# EFTLink Xstore GA 22.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports and which features Xstore implemented at that same time.

## EFTLink Features Introduced and Supported in GA Release v22.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Invoice Payments
  - Cell Phone Recharge
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - Support Check Image
- Reversal (Void)
  - Credit/Debit

- EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - PED Identification
  - Support Line Display for Default PED
- Multiple Core Support
  - EWallet
  - Stored Value Cards
  - Pay By Link
- Custom Forms
- Record Payment Provider (Prevent cross tokens)
- REST API
  - Support custom applications using Xservices integrations
- **Support FinalizeEFT**
  - **New sub-type “FinalizeEFT” added to “CardFinancialAdvice”**
- **Support Additional L2/L3 fields**
  - **TotalTaxAmount, DestPostalCode, SaleItem.UnitTaxAmount**

**EFTLink Features Integrated to Xstore for GA Release v22.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Pay By Link
  - Invoice Payments
  - Cell Phone Recharge
- Card Token
  - Record Tokenized Card from EFTLink Response
  - Send Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts

- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- Record Payment Provider (Prevent cross tokens)

# EFTLink Xstore GA 23.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports, and which features Xstore implemented at that same time.

## EFTLink Features Introduced and Supported in GA Release v23.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Invoice Payments
  - Cell Phone Recharge
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
  - **Support for Sales Completion**
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - Support Check Image
- Reversal (Void)

- Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - PED Identification
  - Support Line Display for Default PED
- Multiple Core Support
  - EWallet
  - Stored Value Cards
  - Pay By Link
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure, and LineTaxAmount
- Custom Forms - Addition of extra text lines, and addition of trailer text
- REST API
  - Support custom applications using Xservices integrations
- **Support FinalizeEFT**
  - **New sub-type “FinalizeEFT” added to “CardFinancialAdvice”**
- **Support Additional L2/L3 fields**



- **TotalTaxAmount, DestPostalCode, SaleItem.UnitTaxAmount**

#### **EFTLink Features Integrated to Xstore for GA Release v23.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Pay By Link
  - Invoice Payments
  - Cell Phone Recharge
  - **Support for Sales Completion**
- Card Token
  - Record Tokenized Card from EFTLink Response
  - Send Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress
  - Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support

- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure and LineTaxAmount
- Custom Forms - Addition of extra text lines, and addition of trailer text
- Support Additional L2/L3 fields

# EFTLink Xstore GA 24.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports, and which features Xstore implemented at that same time.

## EFTLink Features Introduced and Supported in GA Release v24.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Invoice Payments
  - Cell Phone Recharge
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - Support Check Image
- Reversal (Void)
  - Credit/Debit

- EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - PED Identification
  - Support Line Display for Default PED
- Multiple Core Support
  - EWallet
  - Stored Value Cards
  - Pay By Link
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure, and LineTaxAmount
- Custom Forms - Addition of extra text lines, and addition of trailer text
  - Support custom applications using Xservices integrations
- Support FinalizeEFT
  - New sub-type “FinalizeEFT” added to “CardFinancialAdvice”
- Support Additional L2/L3 fields
  - TotalTaxAmount, DestPostalCode, SaleItem.UnitTaxAmount
- **PLCC**

- Account Lookup, Account Payment, and Application
- Card Acquisition
  - Response can contain CardAlias, CustomerId, CardholderEmail, and CardToken
- Pre-Authorization Transactions
  - Authorization, Authorization Release, and Top-Up

#### EFTLink Features Integrated to Xstore for GA Release v24.0

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Pay By Link
  - Invoice Payments
  - Cell Phone Recharge
- Card Token
  - Record Tokenized Card from EFTLink Response
  - Send Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification
  - Start
  - Sale in Progress

- Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure and LineTaxAmount
- Support Additional L2/L3 fields

# EFTLink Xstore GA 25.0 Compatibility

This chapter provides feature compatibility information relating to the Xstore EFTLink GA versions. The lists below split out the features by product so it is clear what features EFTLink supports, and which features Xstore implemented at that same time.

## EFTLink Features Introduced and Supported in GA Release v25.0

[added features are **bold**]

- Logon
- Logoff
- Abort
- Sale
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Customer Not Present
  - Offline Referral
  - Transaction Token Support
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Invoice Payments
  - Cell Phone Recharge
  - Card Token
    - \* Return Tokenized Card in Response
    - \* Accept Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
  - Support Check Image
- Reversal (Void)
  - Credit/Debit

- EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Deactivate
  - Deactivate Reversal
  - Balance Inquiry
  - Cash Out
- Card Read (Non PCI Cards)
- Customer Display - Sale State Notification
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Server Mode
- PED Pooling in Server Mode
  - PED Identification
  - Support Line Display for Default PED
- Multiple Core Support
  - EWallet
  - Stored Value Cards
  - Pay By Link
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure, and LineTaxAmount
- Custom Forms - Addition of extra text lines, and addition of trailer text
  - Support custom applications using Xservices integrations
- Support FinalizeEFT
  - New sub-type “FinalizeEFT” added to “CardFinancialAdvice”
- Support Additional L2/L3 fields
  - TotalTaxAmount, DestPostalCode, SaleItem.UnitTaxAmount
- PLCC



- Account Lookup, Account Payment, and Application
- Card Acquisition
  - Response can contain CardAlias, CustomerId, CardholderEmail, and CardToken
- Pre-Authorization Transactions
  - Authorization, Authorization Release, and Top-Up
- **Use of PSPPaymentBrand for CardCircuit**
- **Card Acquisition Enhancements - additional fields for tax free shopping**

#### **EFTLink Features Integrated to Xstore for GA Release v25.0**

- Logon
- Sale
  - Transaction Token Support
  - Customer Not Present
  - DCC (Dynamic Currency Conversion)
  - Cash Back
    - \* Disable Cashback for SCO Mode
  - Card Acquisition [Tax Free Shopping Support]
  - EWallet
  - Installments
  - Pay By Link
  - Invoice Payments
  - Cell Phone Recharge
- Card Token
  - Record Tokenized Card from EFTLink Response
  - Send Tokenized Card in Request for Payment
- Refund
  - Credit/Debit
  - EWallet
- Tokenized Refund
  - Credit/Debit
  - EWallet
- Check Payment / Verification
- Reversal (Void)
  - Credit/Debit
  - EWallet
  - Reversal of last transaction
  - Reversal of last transaction within batch (Post Void)
- Customer Display - Sale State Notification

- Start
  - Sale in Progress
  - Sale End
  - Tender Lines
- 3 Byte Ascii (3BA) Signature Support
- Maintenance Functions
- Combined Receipts
- Stored Value Cards
  - Redeem
  - Redeem Reversal
  - Load
  - Load Reversal
  - Activate
  - Activate Reversal
  - Balance Inquiry
  - Cash Out
- Record Payment Provider (Prevent cross tokens)
- DonationsAmount
- Line Item Advice - Addition of LineDiscountAmount, UnitOfMeasure and LineTaxAmount
- Support Additional L2/L3 fields
- PLCC
  - Account Lookup, Account Payment