

VERDEX

Software Component



VERDEX is the industry's first mobile version of proven address extraction and verification technology used in postal sortation operations. VERDEX provides this capability at the most effective point possible: at the point of parcel collection.

- Now supporting the powerful 70 Series mobile computers
- Data extraction with built-in Optical Character Recognition (OCR) helps refine or build your own delivery address database
- Improves the efficiency of parcel introduction into track and trace systems by up to 300%
- Eliminates error prone manual entry at the point of parcel collection providing accurate information sooner for logistics planning
- Ensures the item is ultimately deliverable eliminating downstream costs associated with excessive item handling
- Easy to integrate into existing pickup and delivery mobility applications
- Exclusively available on Intermec mobile computers

Each year the courier, express and parcel (CEP) industry deals with millions of items arriving at their sortation facilities unannounced and with unverified addresses, many of which ultimately become "Undeliverable as Addressed" (UAA), creating billions of dollars in unnecessary expenses.

VERDEX is a software component, exclusively available on Intermec mobile computers, that fully integrates all of the technologies necessary to deliver verified address data to a mobile application. VERDEX is designed for CEP organizations that want to reduce the volume and associated costs of undeliverable items by correcting errors *before* they enter their system or arrive at the sortation hub.

Prevent the Problem before it Occurs

VERDEX is used at the point of collection to help eliminate UAA parcels and provide planners with early visibility to previously unannounced and unverified items. When combined with an Intermec mobile computer and mobile label printer, VERDEX allows parcel collection workers to quickly and accurately introduce parcels into the track-and-trace system and re-label them at the time of collection.

VERDEX is built on industry-proven technology that is currently used in high speed postal and parcel organizations around the world, but has been optimized to run on Intermec mobile computers. At the press of a single button, VERDEX combines enhanced data extraction algorithms with proprietary SmartMatch™ technology to automate entry and verification of machine printed, human readable text up to 300% faster than key based entry.

This significantly improves efficiency and reduces errors that are caused by manual keying of address information.

Eliminate Errors and Gain Visibility

With only a few hours between the parcel collection and the sorting process, there is little time to manually enter unannounced and unverified items into the track-and-trace system with much, if any, advance notice for downstream process workers.

When VERDEX is used at the point of collection, logistics planners are able to optimize downstream operations allowing the CEP organization to better utilize its assets for sorting, routing and transporting of parcels.

Easy Integration

VERDEX can be used in a variety of development environments and is supplied with documentation, and detailed sample programs that allow software developers to quickly integrate VERDEX capabilities into their line-of-business applications.

Commercial and custom database development and support are provided by Intermec technology partners. Organizations that do not have access to a postal address database may select from a variety of commercially available databases.

Alternatively, using powerful Optical Character Recognition capabilities built into VERDEX, Intermec technology partners can help you build, optimize, deploy and maintain a specific solution based on the CEP organization's own delivery address databases.

System Requirements

Intermec Mobile Computer VERDEX operates on the following Intermec computers:

- Device Supported: CN3, CN50, 70 Series
- Imager Supported: EA11, EA21, EA30
- Operating System: Windows Mobile 6.1 and 6.5
- Memory Requirements: 256MB RAM and above

Verification Database

Address verification is performed by comparing captured addresses against a database which resides on the mobile computer. You may use your own database or purchase a commercial database. An SD card is required for storage of large databases.

Custom Database (based on user's data)

Intermec will contract with you to build and optimize your database, and provide you with tools that allow you to perform database maintenance. A database can be built from data consisting of records that can be exported to a flat file with columns of data separated either by a unique delimiter or fixed length.

Commercial Database

Select from a variety of sources such as UPU, Royal Mail, U.S. Postal Service.

Contact Intermec for additional information and specific availability

Intermec Mobile Printers

The following Intermec mobile label printer models are recommended for printing corrected address labels: PB22, PB32, and PB50

Requirements for Integration with Mobility Applications

Choose from 2 integration methods:

- For fastest integration, adopt the default user experience included in the VERDEX mobile component
- For maximum flexibility, use VERDEX APIs in your C++, C#, .NET, or VB.NET application

Licensing

VERDEX is a licensed product and is delivered with sample databases intended for demonstration purposes. Unlicensed VERDEX will operate with full functionality with these demo databases; however it must be properly licensed to use a true custom or commercial database.

Package Address Specifications

For best performance, VERDEX requires good image quality. VERDEX can extract information from postal addresses that meet the following specifications:

Supported Character Sets

- The VERDEX data extraction and verification follows Unicode specifications and supports the Latin alphabet which includes character sets that are specified in Windows-1252 code page. All Western European languages and most Eastern European languages are also supported.
- Character sets and languages not currently supported are Greek, Cyrillic, Asian, Arabic, and Hebrew. For a complete list of exact characters, please reference the Windows-1252 code page.

North America

Corporate Headquarters

6001 36th Avenue West
Everett, Washington 98203
Phone: (425) 348-2600
Fax: (425) 355-9551

North Latin America

Headquarters Office

Mexico
Phone: +52 55 52-41-48-00
Fax: +52 55 52-11-81-21

South Latin America

Headquarters Office

Brazil
Phone: +55 11 5502.6770
Fax: +55 11 5502.6780

Europe/Middle East & Africa

Headquarters Office

Reading, United Kingdom
Phone: +44 118 923 0800
Fax: +44 118 923 0801

Asia Pacific

Headquarters Office

Singapore
Phone: +65 6303 2100
Fax: +65 6303 2199

Internet

www.intermec.com
Worldwide Locations:
www.intermec.com/locations

Sales

Toll Free NA: (800) 934-3163
Toll in NA: (425) 348-2726
Freephone ROW:
00 800 4488 8844
Toll ROW: +44 134 435 0296

OEM Sales

Phone: (425) 348-2762

Media Sales

Phone: (513) 874-5882

Customer Service and Support

Toll Free NA: (800) 755-5505
Toll in NA: (425) 356-1799

Copyright © 2011 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 612088-02A 05/11

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.

