



BarTender[®]
LABEL & RFID SOFTWARE

White Paper

Choosing the Right BarTender Edition

Edition Summary and Feature Comparison Chart

 **SEAGULL**
SCIENTIFIC

Comparing the Five Editions

BarTender is available in five editions that address a wide range of features and user requirements.

Enterprise Licensing: All three Enterprise editions allow unlimited network users. Licensing is based on the maximum number of printers used by BarTender on the network.

Enterprise Print Server

Our most powerful edition. Includes all of the label design, printing, and software integration features of the Enterprise and RFID Enterprise editions., plus advanced server functions for centralized printing and administration. Includes BarTender Web Print Server to print labels from any browser. Contains our most advanced integration features, including TCP/IP triggers, XML transforms, and XML scripting.

RFID Enterprise Edition

Includes – All of the label design, printing and integration features of the base Enterprise edition (see below), plus all available RFID design and encoding capabilities.

Omits – Does not offer the enhanced server functions, advanced integration, and web printing capabilities of Enterprise Print Server. (See above.).

Enterprise Edition

All of BarTender's most powerful label design features plus automated control from within other software.

Includes – Numerous software integration tools, such as ActiveX Automation, enterprise messaging and Seagull's own Commander utility for cross-platform integration. Powerful data sourcing, including ODBC, OLE-DB, and the industry's only SAP-certified direct IDoc interface. Support for Oracle XML label requests.

Omits – No RFID. Excludes all server and integration features omitted from the RFID Enterprise edition..

PC Licensing: The Professional and Basic editions are licensed based on the number of PCs.

Professional Edition

Includes – All of BarTender's most powerful label design features. Most of the advanced data access capabilities, including OLE DB and ODBC. Fully network compatible.

Omits – Not designed for control from within other software. Does not offer ActiveX Automation, Commander or command line integration. No SAP IDoc or XML support. No job logging or e-mailed error alerts. Cannot export printer code templates.

Basic Edition

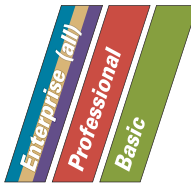
For users who just need BarTender's essential label design and printing features.

Includes – The most frequently used label design features. Includes all text, graphics, bar code, and most serializing capabilities. Useful for keyboard and scanner-supplied label data only.

Omits – No access to external data. No password protection, VB Script customization, or string concatenation, and only limited text filtering. No custom-base serialization. Excludes all features omitted from the Professional Edition.



FEATURES	EDITIONS		
GENERAL			
Printer-based licensing	•	•	•
User-based licensing	•	•	•
Free phone and e-mail technical support	•	•	•
Html-based context-sensitive help	•	•	•
User interface translated into 20+ languages	•	•	•
Full-system unicode support (data fields, field names, files, servers, printers, etc.)	•	•	•
Password protection	•	•	•
LABEL DESIGN			
True wysiwyg label design	•	•	•
"New label" wizard ensures proper label setup and optimizes performance	•	•	•
Drag and drop creation of all objects, including lines, boxes, ellipses, and graphic images	•	•	•
Unlimited undo / redo command	•	•	•
Resize and reposition objects using a choice of methods: mouse, arrow keys, typed in values	•	•	•
Functions for automatic alignment of multiple objects	•	•	•
One-tenth degree rotation of lines, boxes, text, and graphics	•	•	•
"Move to front" and "send to back"	•	•	•
Group and ungroup multiple objects	•	•	•
Export bar codes and labels for use in other programs	•	•	•
Full color support (including text backgrounds and shape fills)	•	•	•
Customizable print-time prompts for keyboard / scanner data	•	•	•
Enhance print-time prompts with lines, boxes and custom text	•	•	•
Customizable library of reusable components	•	•	•
Library of "ready-to-print" label formats	•	•	•
Thumbnail previews of saved label formats, viewable in bartender and windows explorer	•	•	•
Metric and us measurement systems	•	•	•
LABEL STOCK			
Any label size	•	•	•
Any number of label rows and columns per sheet	•	•	•
Automatic computation of label size from number of rows and columns	•	•	•
Database of thousands of common industry label stock dimensions	•	•	•
Rectangular label outline	•	•	•
Circular and elliptical label outline	•	•	•
TEXT			
Versatile font support: truetype, adobe, postscript, downloadable, and built-in printer fonts	•	•	•
On-screen text editing	•	•	•
Rich text formatting	•	•	•
Stretch text horizontally or vertically	•	•	•
Auto-size text to fit within predefined height and width	•	•	•
Basic paragraph support: aligning and spacing	•	•	•
Advanced paragraph support: justifying and indenting	•	•	•
Arc and circular text	•	•	•
User-definable tab stops	•	•	•
White-on-black text printing (specified with a single mouse click)	•	•	•



FEATURES	EDITIONS		
BAR CODES			
Numerous 1 and 2 Dimensional symbologies	•	•	•
Extensive library of industry-standard bar code formats	•	•	•
Option to display start / stop characters	•	•	•
Variable and unlimited width and height	•	•	•
Minimum width limited only by printer resolution	•	•	•
UCC / EAN 128 application identifier setup wizard	•	•	•
Automatic check digit capability	•	•	•
Sequentially numbered bar codes	•	•	•
Place "human readable" text anywhere in relation to bar codes	•	•	•
Customizable "human readable" character template	•	•	•
Independently suppress or display characters from different sub-fields	•	•	•
GRAPHICS, IMAGES AND SYMBOLS			
Draw lines, rectangles, rounded rectangles and filled rectangles	•	•	•
Import more than 70 graphic formats, including BMP, DCX, DIB, DXF, EPS, IMG, JPG, PCX, PNG, TGA, TIF, WMF, WPG, and more	•	•	•
Industry-specific graphic symbol font libraries	•	•	•
Specify background images and colors to appear "behind" label designs	•	•	•
PRINTING			
Over fifteen hundred industrial label printers supported	•	•	•
True Windows drivers, can be used by other programs	•	•	•
Seagull drivers with status monitor display printer status in the standard Windows spooler	•	•	•
Support for XML Enabled Printers	•	•	•
Advanced On-Screen Print Preview	•	•	•
Advanced Cutter Control	•	•	•
Set Starting Position on Pages of Partially Used Labels	•	•	•
Supports Printer-Based Bar Codes, Serial Numbers, Time, Date, and Copies	•	•	•
Speed Optimization Reuses Repeating Data Instead of Resending it	•	•	•
Local and Network Printer Support	•	•	•
Identical and/or Serialized Copies Controllable from Database	•	•	•
Job Logging	•	•	•
SERIALIZATION			
Numeric, Alphabetic, and Alphanumeric Increment / Decrement by Any Interval	•	•	•
Base 36 and Custom Base Serialization	•	•	•
Separate Rollover / Rollunder and Value Reset Options	•	•	•
Preserve or Expand Field Length When Rolling Over	•	•	•
DATABASE OPTIONS			
Microsoft OLE DB and ODBC Support, Including Drivers for: Access, AS/400, Btrieve, dBase, Excel, FoxPro, Informix, Interbase, Linux, MySQL, Oracle, Paradox, Pervasive.SQL, PostgreSQL, Progress, SQL Server, Sybase, and More	•	•	•
Read Excel Files	•	•	•
Read ASCII & Unicode Text Files (Quote & Comma, Fixed Width, & User-Defined Delimitation)	•	•	•
SAP Certified Interface to IDocs	•	•	•
Oracle XML Label Requests Automatically Parsed	•	•	•
Drag and Drop Data Linking	•	•	•
Versatile Multiple-Table Data Access	•	•	•
Import Variable Graphics from Databases	•	•	•
Data Query Wizard and Custom SQL Assistant	•	•	•
Individual Record-Picking at Print Time	•	•	•



FEATURES	EDITIONS				
DATA PROCESSING					
Visual basic scripting for custom data processing	•	•	•	•	•
User-definable min and max field lengths	•	•	•	•	•
Use and/or exclude select portions of database fields	•	•	•	•	•
Customizable data-entry filters and error checking	•	•	•	•	•
Custom configure the handling of individual messages and alerts	•	•	•	•	•
Multiple sub-fields concatenated per label object	•	•	•	•	•
Source data with keyboard, time & date (from pc or printer)	•	•	•	•	•
Easy entry of special and "unprintable" control characters	•	•	•	•	•
Shareable data fields	•	•	•	•	•
INTEGRATION					
Can be run as a "background" application	•	•	•	•	•
ActiveX Automation	•	•	•	•	•
Command line control from other programs	•	•	•	•	•
Specify label formats and data sources from within other programs	•	•	•	•	•
Automated printer selection	•	•	•	•	•
Logs errors and events to a file	•	•	•	•	•
Logs errors and events via e-mail	•	•	•	•	•
Can e-mail user-defined status messages	•	•	•	•	•
"Commander" integration software utility	•	•	•	•	•
• Runs as application or 2000/2003/XP service	•	•	•	•	•
• Looks for incoming data files and/or e-mails and initiates print jobs	•	•	•	•	•
• Logs errors and events to a file and/or via e-mail	•	•	•	•	•
Generate and export printer code templates, including Oracle XML & SAPscript-ITF	•	•	•	•	•
SHARED, CENTRALIZED PRINT SERVICES					
Optimized to handle high-volume printing requests using a single copy of BarTender running on a server	•	•	•	•	•
Available web application allows selection and launch of label jobs from any operating system that can run a web browser	•	•	•	•	•
ADVANCED INTEGRATION					
Enhanced version of Commander supports triggers and data transmission using TCP/IP	•	•	•	•	•
Commander optimized to receive, launch, and monitor new print jobs without waiting for existing jobs to finish	•	•	•	•	•
Automated conversion of different XML formats using XSL style sheets	•	•	•	•	•
BarTender XML Command Scripts speed up automation and simplify remote control	•	•	•	•	•
Detailed print job status available using ActiveX	•	•	•	•	•
RFID SUPPORT					
Encode EPC Gen2, EPC Class 1, ISO 18000-6b, ISO 15693, Tag-It, I-CODE, TagSys, My-d, and Picotag tag types	•	•	•	•	•
Supports DoD, Wal-Mart, and other EPC data formats, including SGTIN, SSCC, GIAI, GID, GRAI, SGLN	•	•	•	•	•
Support for many single and double-byte codepages, including Asian languages, UTF-8 and UTF-16	•	•	•	•	•
Ability to duplicate RFID data in text and bar code form	•	•	•	•	•
Supports optional write protection	•	•	•	•	•
Segment and Start Block support, including writing to multiple blocks	•	•	•	•	•
Ability to configure printer's RFID options (e.g., Transponder Offset and Maximum Retries)	•	•	•	•	•
Display antenna, chip, and substrate on label. (Images specified by predefined or custom antenna bitmaps.)	•	•	•	•	•

Available Seagull White Papers

General Topics

- The Advantage of Drivers by Seagull
- Choosing the Right BarTender Edition
- BarTender Web Print Server
- What's New in the Latest BarTender

Integration

- Integration Overview
- Commander
- Commander Examples
- Exporting Printer Code Templates
- Using BarTender with Terminal Services and Citrix MetaFrame
- XML Integration with Oracle's WMS and MSCA

Integration Using ActiveX

- Getting Started with ActiveX Automation Using C#
- Getting Started with ActiveX Automation Using VB.NET
- Getting Started with ActiveX Automation Using VB6

Integration with SAP

- SAP Integration Methods
- Reading SAP IDocs

Miscellaneous Topics

- BarTender Enterprise Licensing
- Printing International Characters Using BarTender
- BarTender Software Activation
- Using BarTender's Application Identifier Wizard
- Optimizing Label Printing Performance
- Status Monitor Overview

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