TEKLYNX®

SENTINEL™

SETTING THE STANDARD

PRINT MANAGEMENT SOFTWARE

Setting the Standard
TEKLYNX
BAR CODE SOFTWARE

What is SENTINEL?

TEKLYNX' SENTINEL is the only centralized print management software that takes label printing from the desktop to the server room for true enterprise printing - SENTINEL Print Pack and SENTINEL Data Exchange offer cost-effective, scalable software solutions that eliminate costly, custom, host-side programming.

With SENTINEL, you get:

- A print management software that allows enterprise-wide label printing from one central location

- An event-driven, high performance software that can process all label printing data regardless of format

- A Solution that runs as a service on Windows® Server 2012, 2012 R2, Server 2008 R2, Server 2003 R2, Server 2008 x86/x64 or Server 2003 x86/x64 SP2

- A software that works with CODESOFT label design software

- A host application that can run on any platform and any network connection (LAN/WAN/WiFi)

The Mapper allows you to create and configure mapfiles, which will be used for analyzing your data files. A map file describes the structure of the data files for analysis and assigns the mapped data to the corresponding variables in the label document. And because of its unique mapping capability, any system can connect to SENTINEL.

Who is SENTINEL for?

For Large enterprises and industry corporations such as automotive, pharmaceutical, chemical, electronic, industrial manufacturing or distribution who want to remain hardware independent, SENTINEL can:

- Integrate the printing process into the company's core job application and business workflow

- Trigger print jobs from an external software or program such as an ERP system

- Manage hundreds of printers in multiple locations from your server

For Small to Medium size companies who don't have the time for the daily demands required by Label Printing. SENTINEL can:

- Automate the printing process

- Integrate seamlessly with CODESOFT label design software

- Exchange information with databases such as Oracle, MS SQL Server, MS Access etc.

- Support over 2500 thermal transfert, coder, inkjet, laser engraver and Windows printers.
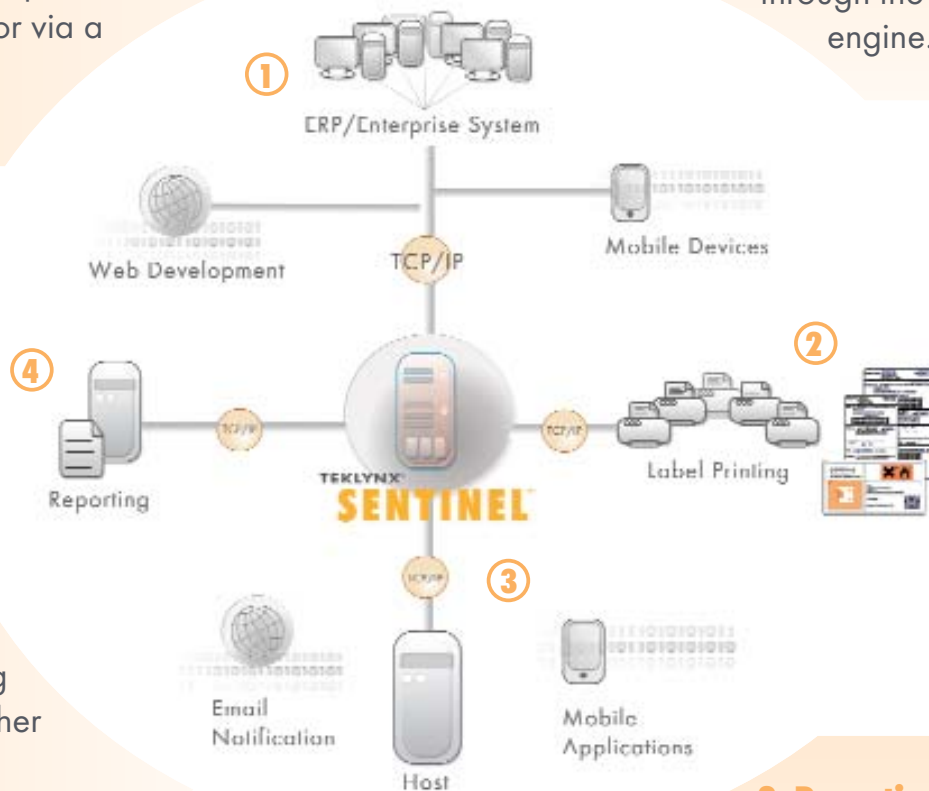
What is SENTINEL Print Pack?

SENTINEL Print Pack automates the printing of barcode, compliance or RFID labels created with CODESOFT label design software through:

1. Data Input —
Data can arrive via a TCP/IP port, as a data file saved to a "watch" directory, as a file printed to a virtual printer, or via a Data Collection Server.

2. Processing —
Data is then processed based on predetermined rules (defined as a "map") and printed through the print engine.

4. Output —
(Optional) Data can be saved for archiving or as input to another watch
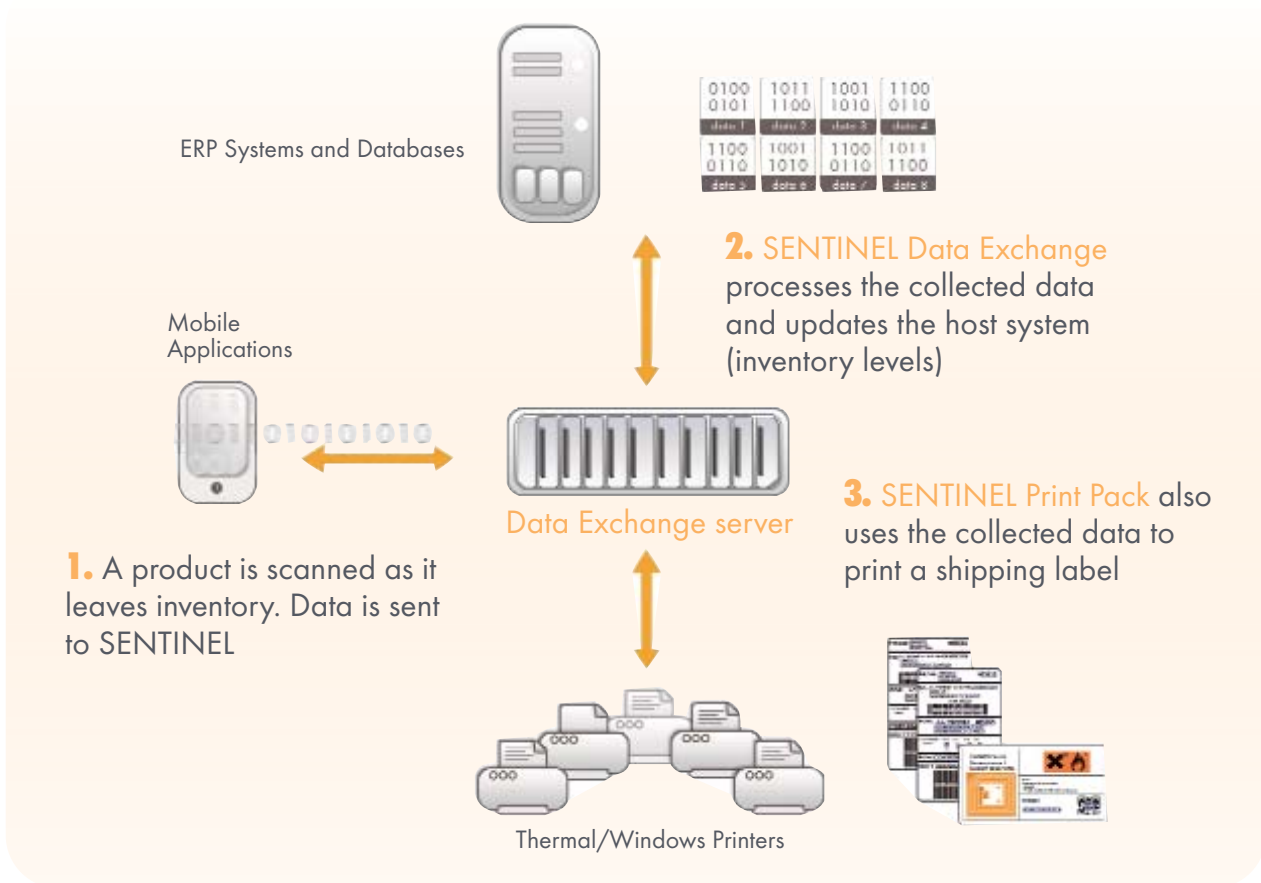
3. Reporting —
(Optional)
Reporting information can be e-mailed in realtime to an administrator to indicate a problem or activities can be logged for historical purposes.

ERP/Enterprise System

Web Development

TCP/IP

Mobile Devices

Reporting

TEKLYNX
SENTINEL

Label Printing

Email Notification

Host

Mobile Applications

What is SENTINEL Data Exchange?

As the name implies, SENTINEL Data Exchange is all about exchanging data, and is specifically designed to meet the growing needs of AIDC supply chain integration.

ERP Systems and Databases

Mobile Applications

2. SENTINEL Data Exchange processes the collected data and updates the host system (inventory levels)

Data Exchange server

3. SENTINEL Print Pack also uses the collected data to print a shipping label

1. A product is scanned as it leaves inventory. Data is sent to SENTINEL

Thermal/Windows Printers

SENTINEL Data Exchange has all the functionality of the SENTINEL Print Pack product, and also includes the following additional plug-ins:

- **Web Service Client process plug-in**
  uses a sentinel to call web service functions along with parameters from received data.

- **Database process plug-in**
  processes data received from an input plug-in and updates, inserts or deletes records in one or multiple databases. The Database plug-in can also activate stored procedures in a database.

- **Web Server input plug-in**
  collects data from web applications and can process the data using any SENTINEL process plug-in.

Why should I get SENTINEL?

Single Solution
One integrated solution, versus many discrete ones, to bridge the gap between host systems and AIDC printers and devices

Flexible
Multiple systems, multiple printers

Scalable
SENTINEL can grow with your business quickly and easily without custom programming

Unique
Only TEKLYNX offers a bridge that supports all of your AIDC needs on the shop floor from data collection to label printing

What is SENTINEL BackUp Server?

>> **SENTINEL BackUp Server** (also known as SBS) — is the key application in providing the added level of security to any SENTINEL installation.

- SBS allows a secondary server to remain up-to-date so as to act as a backup in case the primary server fails."

With SENTINEL's BackUp Server (SBS), you can rest assured that your valuable information remains safe and protected at all times"
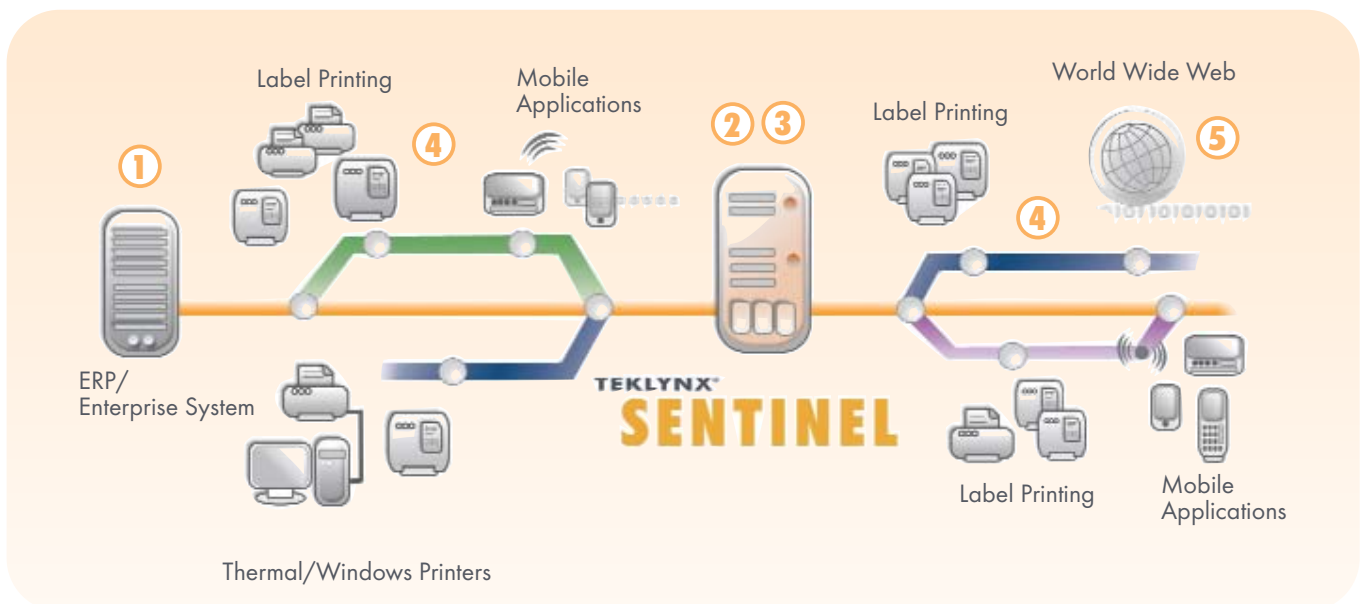
Cross-Compatibility

>> **LABEL ARCHIVE** — can be easily integrated into the architecture of your system and work alongside SENTINEL to give an added layer of traceability to your label printing and print management process. Plus! With LABEL ARCHIVE, you can manage and control your labels and set approval rules to ensure that no label gets printed unchecked.

>> **CODESOFT** — the label design application that gives you the ability to easily design a label, connect it to a database, or add complex barcodes using his intuitive interface.

How does SENTINEL work?

When processing data files, SENTINEL works
in the following way:

1. A Data file is created by ERP application software
   The data file serves two purposes:
   - it includes the variable information for barcode labels
   - it initiates the request to SENTINEL

2. SENTINEL "Watches" for the Data
   SENTINEL receives data and sent there from the host.

ERP/
Enterprise System

Label Printing

Mobile
Applications

Label Printing

World Wide Web

TEKLYNX®
SENTINEL

Thermal/Windows Printers

Label Printing

Mobile
Applications

3. SENTINEL Processes the Data
   SENTINEL maps the data to a label design based
   on a predefined configuration.

4. SENTINEL prints the Label.

5. SENTINEL reports the outcome of the job.

Using the CODESOFT print engine, labels can
be printed to over 2500 thermal and Windows printers locally,
remotely or on a network.

SENTINEL —
means Security and Reliability

SENTINEL product line has been available since 1997 and has been sold to over thousands clients in 120 countries.

References	L'Oréal	
Airbus Industries	LVMH	
Akzo Nobel	Nestlé	
Alcate	Nexans	
Arkema	Nicoll	**Partners**
Baxter	Novartis	Acteos, Adonix X3, AS400
Bayer AG	Philips	Application, Baan, Cegid,
Becton Dickinson	Rhône Poulenc	Divalto, FlexNet, Generix, IFS,
BMW	Roche	Infologic, Infor Mapics,
Boiron	Sanofi Aventis	JDEdwards, MBS, MFG Pro,
Bosch	Schneider Electric	Minos, Movex, Navision ,
Brioches Pasquier	Siemens	Oracle, Orchestra, PeopleSoft,
Campofrío	Tetrapack	Produflex, Pyra, Qad, Reflex,
Cargologic	Toyota	Sage, SAP, Silog, Silverprod,
Chanel	UPS	Sylob…
DaimlerChrysler	UPSA	
Delphi	Valéo	Avery, Brady, Cab, Datamax,
ECIA	Van de Moortele	Epson, Intermec, Markem Image,
Ericsson	Yves Saint-Laurent	Printronix, Sato, ToshibaTEC,
Friesland Campina	3M…	Zebra…
General Motors		

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