Fact sheet: ELP product family – Unicode and double byte printing support

The stethos ELP (Enhanced Laser Printing) is a versatile Output Management System which is available on a variety of operating systems, as well as a networked appliance and embedded within a selection of printer/MFP devices. A detailed functionality overview is available at the stethos website http://www.stethos.com/elp

Name	Explanation	Remarks
Glyph	Element of writing	Characters, ligatures (compound characters) or diacritics
CJK CJKV	Chinese, Japanese, and Korean CJK plus Vietnamese	Writing systems all completely or partly use Chinese characters: hànzì in Chinese, kanji in Japanese, and hanja in Korean
DBCS MBCS	Double Byte Character Sets Multi Byte Character Sets	Shift-JIS, GB2312 and Big5* are code pages which contain more than one character per byte and are used in East Asia
UTF	Unicode Transformation Format	TrueType and OpenType support Unicode and these font formats map Unicode code points to glyphs (e.g. UTF-16 to 65535 glyphs)

* Additional code pages are available; however the above is a list of the most common variations.

International printing: Since corporate customers need to print business critical documents in a variety of languages leads to the need of an easy to use solution which enables their laser printer and MFP fleets to be capable of printing on any industry standard printing devices, regardless of the source operating system or application, the bandwidth of the network or the manufacture of the output device.

ELP is the key: The versatile solution enables customers ERP applications to print international documents by using DBCS/MBCS or Unicode technology via “on-the-fly” downloading only the needed glyphs of the document to the output device.

This saves network recourses, keeps manufacture independence and enables convenient printing on every PCL5, PCL5e or PCL5c compatible device, even on the cheaper desktop printers which may lack in presence of in extensibility or internal fonts.

Even the corporate stationary of the company can be easily respected by using almost every font which is available on the market.

Seamless SAP R/3 integration: By using existing SAP device types which support DBCS/MBCS or Unicode in order to prevent additional cost consumed by layout changes to your SAP forms or use the ELP’s automated creation of font spacing tables which allows importing of corporate fonts into existing SAP device types.

ELP is also able to enrich existing device types with other language support: For example the addition of Asian languages into the Western European device types. This enables one to print Asian characters and European characters in the same document helping speed up Asian forms development, which can be based on existing European forms (this can be used the opposite way round also).

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