

MakeAFP Formatter

Highlights

- Extremely fast dynamic formatting to multiple AFP output documents
- Reduces development time and operational cost by utilizing only one processing flow from your raw data or encrypted & compressed raw data to AFP on the fly
- Ideal for AFP applications on Windows and Linux for high speed printing and color e-Output presentation
- Offers a myriad of formatting functions for graphics, images, text composition, barcodes, indexes and AFP resources with colorful AFP data stream
- Provides the user with absolute power to integrate directly with the powerful AFP architecture and data stream

MakeAFP is designed for complex, dynamic Advanced Function Presentation (AFP) formatting. Its extremely fast formatting capability makes it an ideal solution for the dynamic creation of AFP documents for instant delivery of every mission-critical presentation on demand. Even more amazing is the extreme speed in which it executes the decompression/decryption on the fly.

Integrates to AFP Directly
 MakeAFP provides a powerful run-time library of C functions; your programs can be linked to the MakeAFP Dynamic-Link Library to produce a native executable module for Linux and Windows, which can generate AFP files directly from your multiple raw data files or database data by a simple one-run process without the use of any other software.

MakeAFP frees you from the internals and intricacies of the powerful but sometimes difficult to use AFP. MakeAFP offers a suite of useful functions for composing color texts, images, graphics, barcodes, indexes and AFP resources in AFP, and gives you absolute control over the powerful AFP functions.

MakeAFP

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IPS银行信用卡

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 为您的投资理财责任和大力支持，IPS银行于2007年12月1日至2008年2月29日进行了部分基金的费率折扣优惠活动。

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信用卡号码	6888-1234-6666-9999
账单日期	2008/02/01
账单周期	2007/12/30 - 2008/01/30
到期还款日	2008/03/01
信用额度	10,000
预借现金额度	5,000
本期还款总额	12,327.44
本期最低还款额	1,232.74

*上述金额均为人民币。

本期还款总额 New Balance	=	上期账单金额 Balance B/F	-	上期还款金额 Payment	+	本期账单金额 New Charge	-	本期调整金额 Adjustment	+	循环利息 Interest
12,327.44		14,744.42		16,045.00		13,628.02		0		0

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Supports OpenType Font

TrueType and OpenType are the most prevalent and dominant font technologies today; thousands of typefaces are available and compatible across multiple platforms.

The new support for TrueType/OpenType font technologies in extended AFP architecture provides customers with significant benefits and is the key component of the AFP strategy to embrace open font standards in the latest AFP architecture. It provides:

- More choices for typefaces, particularly non-Latin typefaces.
- A truly worldwide multilingual presentation environment through the support of Unicode.
- Migration towards a single font technology across all presentation environments.

MakeAFP not only allows you to use the legacy AFP FOCA raster and outline 1-byte / 2-byte fonts easily but also the new generation of OpenType, TrueType, and TrueType Collection fonts directly.

Mixed Fonts Concurrently

For the legacy data encodings of ASCII/EBCDIC, DBCS -PC/DBCS-HOST in AFP, you can define single or multiple MakeAFP definition files for using the legacy AFP raster font, AFP outline fonts and new

generation OpenType / TrueType fonts concurrently without any MakeAFP program change. This will allow you to format the appropriate AFP data stream for each type of printer, regardless of whether they are old or the newer generation of IPDS printers.

Variety of Barcodes

MakeAFP Formatter not only supports all the linear and 2D barcodes defined in AFP BCOCA standard; it also supports over 50 types of popular linear and 2D barcodes by AFP drawing, which can be easily converted and presented for both printing and e-Statement with full fidelity and high print/display quality.

The new US Postal 4-State barcode is also supported by both BCOCA and AFP drawing.

Mixed Image Types

With MakeAFP, you can dynamically include the AFP page segment (such as FS10 and FS11 for monochrome AFP image, or FS42 and FS45 for AFP color image) at variable positions, and you can also include non-AFP objects (such as TIFF, JPEG, GIF, etc) directly for printing on the latest generation of IPDS printers.

Ready for Unicode

The Unicode Standard defines a universal character encoding that is designed to include all the characters of the major

scripts in the world. It covers phonetic scripts like Latin and ideographic scripts like Chinese, Japanese and Korean. It can encode more than 1 million characters. The extended AFP architecture has enabled AFP applications to use a large collection of typefaces of TrueType and OpenType fonts, and also enabled AFP applications by Unicode to better participate in the global business that requires the extended worldwide character set support.

With MakeAFP, you can use TrueType/OpenType fonts directly as the private or public non-AFP font object. You can convert legacy encodings to Unicode UTF-8 or UTF-16 and encoding AFP in UTF-8 or UTF-16 for presentation across platforms and printing on the latest generation of IPDS printers.

MakeAFP Formatter at a glance

Font Support	<ul style="list-style-type: none">– Supports 240/300/480/600 dpi ASCII/EBCDIC/DBCS-PC (BIG5, GBK, SJIS, KSC) / DBCS-HOST AFP raster fonts and AFP FOCA outline fonts– Supports TrueType /TrueType Collection/OpenType Fonts for the new generation of AFP printing systems
Image and Overlay	<ul style="list-style-type: none">– Supports AFP FS10 & FS11 monochrome and FS42 & FS45 color page segments– Allows changing of color on monochrome AFP page segment– Supports the data-object containers, such as PDF, EPS, GIF, JPEG, and TIFF images, for the new generation of AFP printing systems– Imports over 20 popular raster image formats, AFP images, and AFP graphic objects and place at a dynamic position– Includes AFP overlay, page segment, and non-AFP object at variable positions dynamically
Vector Graphic and Drawing	<ul style="list-style-type: none">– Supports all of the AFP GOCA graphic functions, allows plotting of color graphic box, line, filler, marker, ellipse, arc, etc– Supports the 1D and 2D business bar-chart, pie-chart, line-chart, stack-bar-chart, and polar-chart by the color GOCA graphics drawing– Supports the legacy fixed or variable size line, box, and STANDARD, SCREEN, LED shading patterns in monochrome color
Color Management	<ul style="list-style-type: none">– Associates AFP CMR (Color Management Resource) with the AFP pages, overlays, barcodes, GOCA graphics, and data-object images in a specific color process-mode– Associates the color rendering intent with the pages, overlays, GOCA graphics, data-object images
Barcode Support	<ul style="list-style-type: none">– Supports all of the linear and 2D barcodes defined in the latest IBM AFP BCOCA standard, including the new US Postal 4-State barcode– Supports over 50 types of popular linear barcodes and 2D barcodes by AFP drawing, including new US Postal 4-State barcode
Text and Paragraph	<ul style="list-style-type: none">– Fast aligns the text fields with left/center/right alignment– Aligns the paragraph texts with left, center, right and justify alignments as well as controls the text colors and underscores– Provides ease of use and powerful functions for absolute or relative positioning– Rotates the texts by 0, 90, 180, 270 degrees dynamically– The complex composition of Thai and Vietnamese characters are supported according to the national languages standards
Resources, Indexing, Viewing	<ul style="list-style-type: none">– Retrieves and packs AFP resources and non-AFP objects inline within AFP output documents or as a separate AFP resources file– Inserts the group level indexing tags to AFP document well as generates AFP index object file so that the index information can be used by AFP Viewer and AFP archival / retrieval systems directly– Views formatted AFP files immediately
Data Processing	<ul style="list-style-type: none">– Supports a variety of data inputs, such as UTF-8, UTF-16, UTF-32, ASCII/EBCDIC/ DBCS-PC (BIG5, GB18030, KSC, SJIS) /DBCS-HOST/DJDE line data, delimited data, SAP RDI, XML, record ID data as well as access database directly– Provides complementary data string conversion, manipulation, and process functions
Formatting Performance	<ul style="list-style-type: none">– Capable of generating statements in big pagination numbers, such as “Page 305 of 8500”, with one-run high-speed formatting– Reads compressed or encrypted input data in the formats of 7Z, ZIP, RAR, CAB, ARJ, GZIP, BZIP2, TAR, CPIO, RPM, and DEB directly– Only one process flow directly from your database, raw data, or encrypted & compressed raw data to AFP– Ultra-fast formatting speed, up to 360,000 pages per minute on the latest server
Prerequisites	<ul style="list-style-type: none">– Windows 64-bit platforms– Linux 64-bit platforms
