DEVELOP

INDIVIDUAL ineo ENHANCEMENT

Advanced functionality with i-Option
Today's corporate environments depend on streamlined user operation as well as enhanced workflow capabilities. And that is exactly what DEVELOP offers with its i-Options! The "i" stands for essential attributes like innovative, interactive and intelligent. Our i-Options give you access to clever function enhancements on your multifunctional ineo office devices. Various i-Options are integrated into the ineo firmware – simply choose the i-Options best suited to your specific requirements.

Online interface to enhance your scope of work

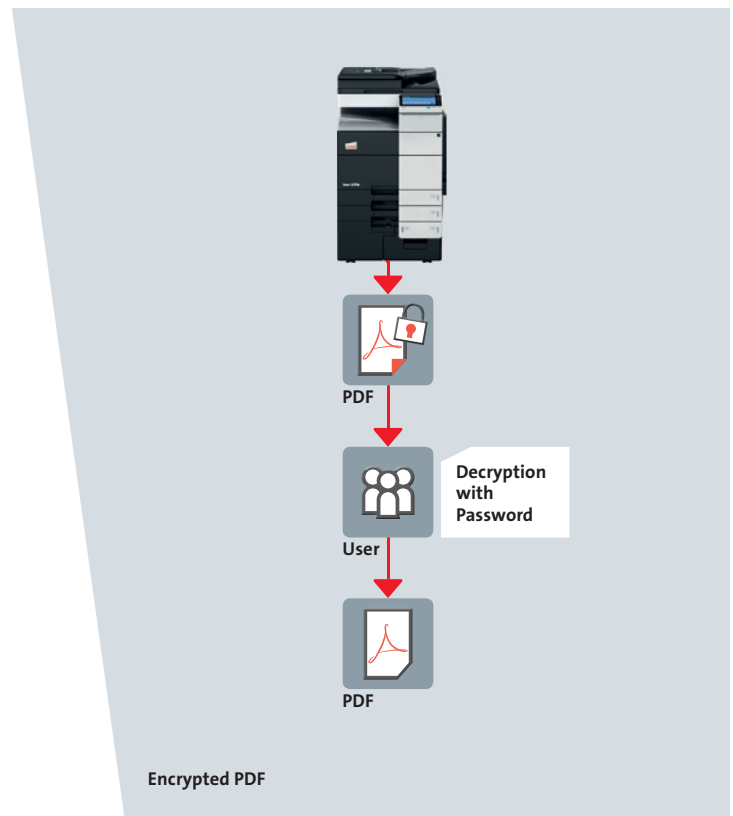## Turn your control panel into a Web browser (LK-101)

This i-Option activates a Web browser that provides direct access from the ineo panel to the Internet, Intranet and Web-based databases. The LK-101 is the basis for any adaptation and customisation of ineo functionalities related to DEVELOP's Internal Web Server and OpenAPI applications. Some examples are:

> Smooth printing of information from websites and e-mails directly from the ineo panel

> Simple and convenient, direct download of features and functions straight from the ineo control panel

PDF protection, storage and optimisation (LK-102 PDF Processing)

Convert documents into highly functional PDFs. When sending scanned documents from the multifunctional additional operations such as encryption of the PDF file, adding properties, using the user's digital signature or creating PDF/A-compliant files for long term storage can easily be carried out.

> PDF encryption: Prevents confidential data falling into the wrong hands by means of easy-to-select encryption techniques.

> PDF meta data: A metafile can be added to a PDF so encrypted documents can be traced and found more easily, as the metafile remains unencrypted and includes information such as author, subject and/or keywords.

> Digital signature: Allows PDF and compact PDF documents to be digitally signed and thus tagged as legitimated and trustworthy; a progress history function makes it possible to trace whether anybody has made changes to a document and thus check if the signature is still valid.

> Long-term storage: PDF files that comply with the PDF/A international standard (ISO19005) can be created for long-term storage; both PDF/A-1a and PDF/A-1b standard levels are supported.
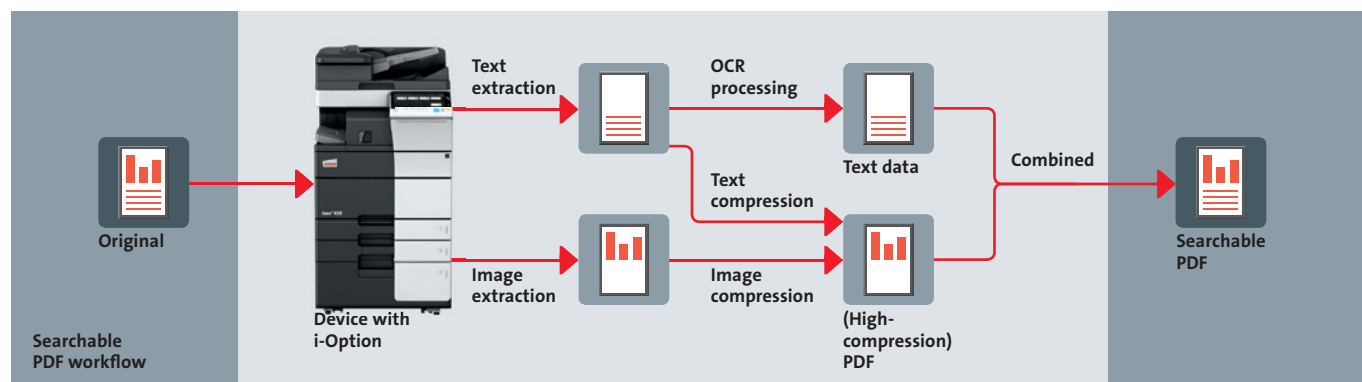

PDF

Decryption with Password

User

PDF

Encrypted PDF

Protect your data and speed up your work routine enhanced PDF processing

Take advantage of fast document searches (LK-105 OCR Text Recognition)

This i-Option provides full OCR* text recognition for PDFs and highly compressed Compact PDF documents. With it, users save time when searching for specific information within the document. And it enables Copy & Paste, which facilitates reusing text portions in other documents or applications.

> Full OCR* is available for scanning and sending/storing PDF files.
> For best compression, the document is separated into text, graphic and image objects during scanning.
> A readable text layer is added to the PDF, enabling fast searching for single words and easy copying of text into other applications.

* Optical Character Recognition

Searchable PDF workflow — Original → Device with i-Option → Text extraction → OCR processing → Text data → Combined → Searchable PDF; Image extraction → Text compression / Image compression → (High-compression) PDF

Benefit from versatile file conversion (LK-110 Document Converter Pack)

The LK-110 combines the functionality of LK-102 PDF Enhancement and LK-105 OCR with additional advanced features, so users can easily create various file formats and high quality image data.

> Offers the creation of PDF, Compact PDF, JPEG, TIFF, XPS, Compact XPS, OOXML file formats
> Direct printing via e-mail, for example from mobile devices
> Easy creation of searchable OOXML files; using OCR* technology, this function automatically creates text information from scanned images.

* Optical Character Recognition

File conversion formats and required options	LK-102	LK-105	LK-110
PDF/A (For long-term storage)	•		•
PDF optimised for Web	•		•
Encrypted PDF (Digital signature)	•		•
Searchable PDF (OCR text recognition) (pptx files can also be OCR processed)		•	•
High-quality compact PDF			•
OOXML file (Extension: .docx/.xlsx) conversion + OCR			•

Smooth barcode generation, printing and processing (LK-106 Barcode Fonts)

This i-Option detects PCL barcode sequences in print data and prints these as barcodes on DEVELOP devices. Users can directly print their files without the need for additional printer software.

> Barcodes are printed as such and not as conventional image data, which would obstruct later recognition in the printout by barcode readers. Reproduction of the data as proper barcodes ensures high-quality printouts and the smooth processing of all information.
> The support of printing barcodes in PCL data streams is provided especially for printing from SAP and ensures a smooth transition. In this case, the print command is issued by the SAP system, while the processing, barcode generation and printing happens in the MFP.

Multiple-language printing support (LK-107 Unicode Fonts)

Unicode, a worldwide text standard, consists of over 1 million characters; this includes almost every existing symbol and character in the world. As this i-Option supports the fonts of multiple languages, users can easily print their files without encountering problems with non-readable characters in the document. LK-107 ensures that the MFP prints an extensive selection of symbols and characters even within a single print job.

> SAP users benefit from seamless integration and usage, as Unicode-based characters and fonts are provided in the printing device as standard without requiring additional software such as printer drivers. This ensures smooth processing of print commands and guarantees perfect print results.

Sample characters

Precise processing of printed documents with OCR (LK-108 OCR A and B Fonts)

In principle, there are two font types for automatic text recognition, OCR* A and OCR B, with both differing in shape and style. OCR B is ISO-certified and often requested for form (cheque) printing in the financial sector. This i-Option ensures clear machine readability to avoid serious errors in the further processing of the printed information.
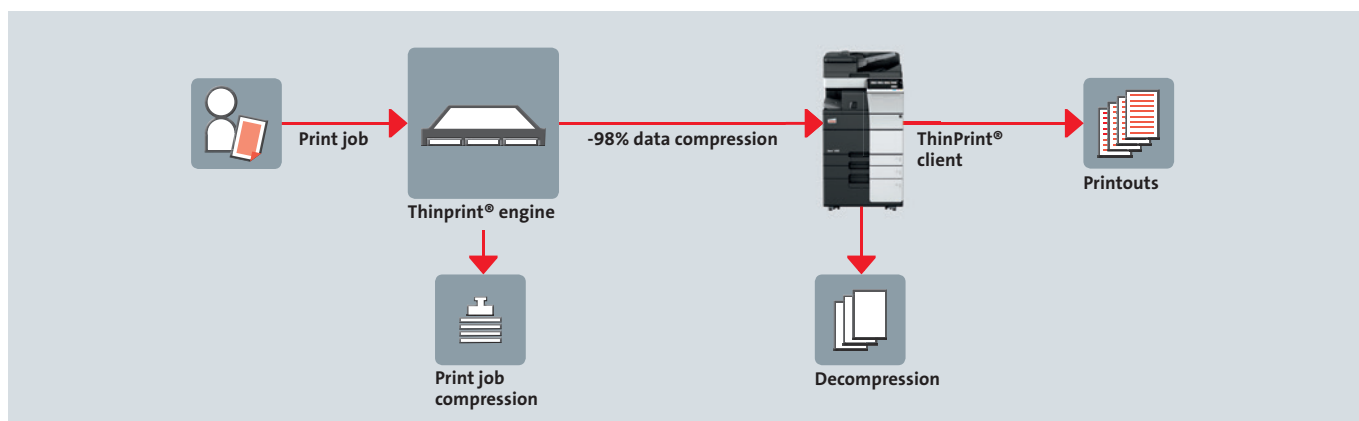
Sample payment cheque

Speed up print processes (LK-111 ThinPrint® Client)

ThinPrint® supports smooth printing by compressing print jobs by up to 98%. Not only does this high compression rate have a positive impact on the print speed, it also reduces network traffic, thus relieving the entire corporate network.
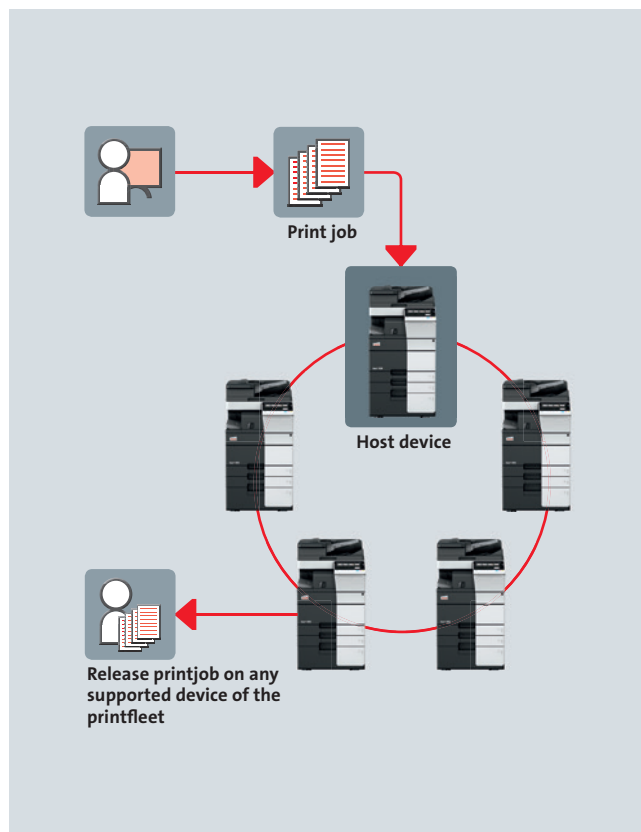
> The ThinPrint® Output Gateway reduces printer drivers on computers, thus saving time in server installation and administration. It also optimises user operation, as conflicts due to incompatible printer drivers are completely avoided. The advantages are especially obvious in client installations with existing ThinPrint® environments. Thanks to its easy handling and fast integration, the functionality is instantly available.

Print job · Thinprint® engine · -98% data compression · ThinPrint® client · Printouts · Print job compression · Decompression

Added convenience with maintenance-free printing (LK-114 Serverless Pull Printing)

The LK-114 provides enhanced printing convenience allowing to release print jobs on any DEVELOP MFP in the fleet. Documents and their information stay secure, as printing will only start after the user has authenticated directly at the chosen output device. At the same time, the LK-114 relieves IT administrators from various management and maintenance duties, with the MFP doubling as a print server:

> Print jobs are managed by one central MFP serving as storage device, and can be released on any supported device in the printer fleet
> The overall cost of printing can be reduced: users have the option of deleting or correcting print jobs at the device before starting the printout.
> Secure printing is available for every print job, supporting username + password, ID card as well as finger-vein authentication
> For enhanced user authentication, accounting and reporting, LK-114 can hook up to DEVELOP's output management solutions, while keeping print data separate from the print server.
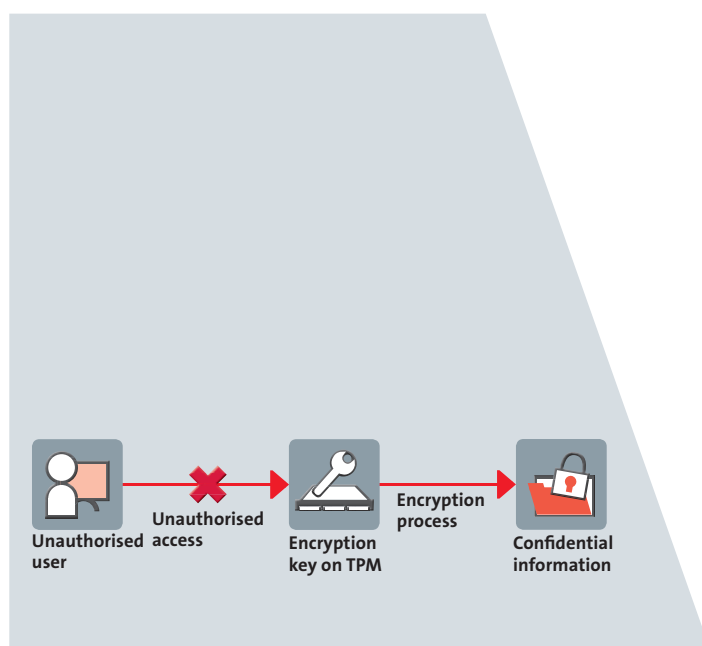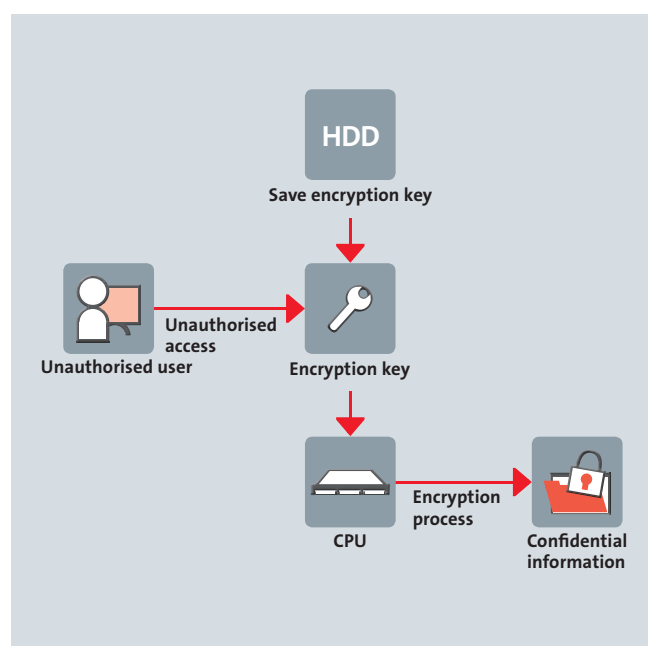

Print job · Host device · Release printjob on any supported device of the printfleet

Upgrade your ineo security with HDD protection

Enhanced data protection with encryption & decryption (LK-115 TPM Activation)

Arm your ineo device against external attacks with i-Option LK-115 TPM activation: Trusted Platform Module (TPM) is a hardware security chip that safeguards the MFP by storing an encryption key, which protects the device's hard disk data encryption and digital certificate. As the root key is stored within the TPM, it cannot be altered from outside – this assures the validity of the MFP firmware, the device identity, and the hard disk security. Users are able to securely manage confidential information like certificates and MFP passwords, while it is impossible for anyone unauthorised to gain access to stored information.

TPM secures and protects the following:

> Digital certificate (registered by the administrator)
> Hard disk encrypted password
> Hard disk locked password
> Administrator password
> Box administrator password
> Log administrator password
> User password
> Group password
> SNMP server password
> WebDAV server password
> Remote panel server-type password
> Wireless LAN WEP key
> Wireless LAN pass phrase (when selecting WPA/WPS2)
> NetWare password
> IPP password

i-Option compatibility

i-Option / ineo	4050 4750	+3351 +3851 +3851FS	227 287 367	308 368	458 558	654e	758	+227 +287	+258 +308 +368	+458 +558 +658	+654e +754e
LK-101 Web Browser	•	•³	•³	•³	•³	•¹	•³	•³	•³	•³	•¹
LK-102 PDF Enhancement		•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-105 OCR Text Recognition		•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-106 Barcode Fonts	•	•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-107 Unicode Fonts	•	•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-108 OCR A and B Fonts	•	•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-110 Document Converter Pack		•¹	•¹	•¹	•	•¹	•	•¹	•¹	•	•¹
LK-111 ThinPrint Client	•	•	•	•	•	•	•	•	•	•	•
LK-114 Serverless Pull Printing		•²	•²	•²	•		•	•²	•²	•	
LK-115 Trusted Platform Module	•	•	•	•	•	•	•	•	•	•	•

¹ requires optional memory
² requires optional memory if used as host device
³ licence included

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