

**DEVELOP**

Dynamic balance

[www.develop.eu](http://www.develop.eu)

# ineo<sup>+</sup> 452

colour | 45 ppm

monochrome | 45 ppm



# An eye-catcher in every respect

It's the design of the ineo+ 452 that catches the eye, but it's what you can't see that will make a big difference to your business – for example, numerous features that will optimise your entire document workflow. The ineo+ 452 sets new standards in output quality, colour brilliance, media flexibility, ease of use and low running costs. Just right for a business where large quantities of very different office documents are needed.

First impressions count – and in this case they don't deceive! The ineo+ 452 is in a class of its own, for example with a uniquely designed swivelling operating panel – a feature that is as eye-catching as it is practical. You'll be equally impressed when you see the printouts in colour or black&white: crisp, clear text, contrast-rich images and brilliant colours. The output is so good, you'd think the ineo+ 452 was a production machine – and in quality terms it is!

But when it comes to the cost of printing such high-quality colour, you'll be pleasantly surprised at another of this system's striking qualities – its economy. If you need black&white output from this colour system, for example, you get it at price levels normally associated with monochrome machines. This best-in-class performance is matched by high productivity, sophisticated finishing options and low running costs. Plenty of good reasons why it's well worth thinking about scrapping that old monochrome machine!

## **Brilliant colour**

- Since this system's output quality is easily comparable with that of production machines, your presentations, brochures and the like will have an eye-catching impact.
- The advanced polymerised toner with its ultra-fine particles helps to produce crisper, clearer texts and images.
- The optional Fiery controller makes professional colour management possible, e.g. in ad agencies, while everyday office documents are printed parallel to that on the standard ineo controller.

## **Low running costs**

- This system is the ideal replacement for conventional monochrome machines since it produces black&white output just as cheaply and brings you the added bonus of brilliant colour.
- At a time when everybody is talking about saving energy, the ineo+ 452 sets a great example with best-in-class energy consumption figures – and that saves you a lot of money as well.

## **Flexible media handling**

- The fusing unit's innovative heating technology not only helps to reduce running costs but also allows the ineo+ 452 to handle less heat-resistant media such as stickers.
- Heavyweight media are no problem at all: paper weights of up to 300 g/m<sup>2</sup> can be printed via the bypass and duplex is possible on media of up to 256 g/m<sup>2</sup>.

## **Ease of use**

- Sophisticated technology that's simple to use: the ineo+ 452 was designed with this principle in mind – as indicated by the extra-large and easy-to-use colour display, the LEDs that supply users with remote status information or the ultra-functional design, e.g. no untidy cables hanging out or lying around.
- Freeware tools enable the system to be administered simply and conveniently, e.g. through time-saving multi-tasking procedures.





### Impressive security standards

In addition to DEVELOP's standard security functions, the ineo+ 452 includes advanced features offering enhanced functionality. IPsec protocol encryption ensures safe network communication to and from the device. The standard HDD encryption kit protects all HD data against unauthorised use. Authentication via the optional finger vein scanner or non-contact ID card restricts system access to authorised users and offers an unsurpassed degree of convenience and usability. Thanks to such comprehensive security functionality, the ineo+ 452 has naturally gained ISO 15408 EAL3 certification, the industry's highest standard for multifunctional devices.

### Exemplary environmental profile

One of DEVELOP's guiding principles is to show our responsibility for future generations by respecting the environment. The practical evidence is seen in the Blue Angel or Energy Star awards for devices such as the ineo+ 452. However, this system's environmental profile is exemplary in more ways than one. Production of the polymerised toner, for example, generates 40% fewer CO<sub>2</sub> emissions than that of conventional toner; more than 90% of DEVELOP's components can be recycled; and ineo systems only use electricity when they are actually operating and automatically switch off when not in use.



ineo+ 452 with job separator (JS-504)



ineo+ 452 with staple finisher (FS-527), saddle kit (SD-509), and large capacity tray (LU-204)

# Highlighting

An eye-catching design is fine, but not enough nowadays. This wide range of features shows that the ineo+ 452's functionality is just as impressive as its design.

## Unique box features

- > Up to 1,000 user boxes (individual HD storage space) with flexible access rights

## State-of-the-art scanning

- > Ultra-fast scanning (max. 78 opm) with useful functions such as scan to e-mail, FTP, SMB and user boxes

## High-end finishing options

- > Outstanding features such as folding and unlimited booklet-making plus comprehensive media handling for excellent in-house document production

## Uniform printer driver

- > Individually adaptable driver for all printer languages, e.g. PCL and PostScript



## Optional keyboard

- > Device-based document management easier than ever if full-scale keyboard is attached

# a multiplicity of functions

## Full-colour LCD touch panel

- > Swivelling and tilting 8.5-inch screen for excellent readability, easy navigation and critical information at a glance

## Extensive fax options

- > Faxes forwarded to e-mail addresses and saved in a user box or on a PC; network faxing, PC faxing and iFax



## Biometric authentication option

- > Highly secure finger-vein scanner or card-based authorisation to prevent unauthorised persons from accessing the system

## Easy user administration

- > Centralised device administration thanks to numerous freeware tools, e.g. browser-based access

## ineo Remote Care option

- > Outstanding service support through remote maintenance, e.g. counter readings, error messages, due dates for service, etc.

## Environmental compatibility

- > Environmental awards such as Energy Star and Blue Angel plus reduced running costs through lower energy costs



## High-quality HD Toner

- > Lower fusing temperature, more media variety, better folding qualities and improved UV resistance for high-class prints



# Outstanding in business communications

Speed and quality are the two most important demands on today's business communications. Though presentations, mailshots or other office documents invariably have to be produced quickly, the expectations on the quality of the printing and finishing are higher than ever. To meet these demands, the ineo+ 452 delivers beautifully finished documents in offset-like quality – and thus plays a key role in impactful business communications.

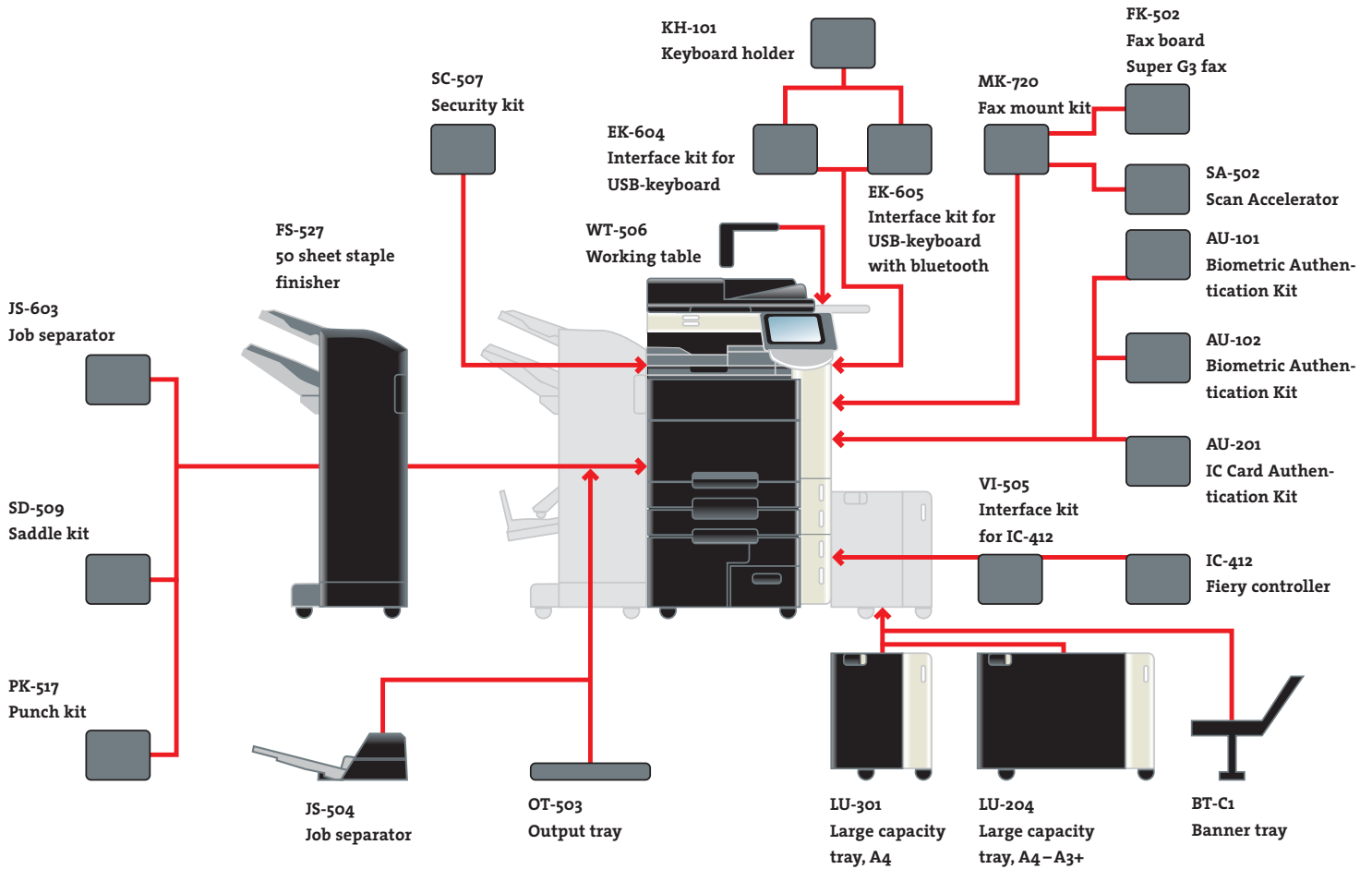
## Finesse in finishing

The options on offer for the ineo+ 452 ensure professional-quality finishing. It can make A3+ brochures, for example, precisely fold documents such as invoices, staple up to 60 loose sheets and produce presentations that look more professional than ever. This kind of finesse makes all the difference in a competitive business climate.

## Competence in colour

Competent colour management opens up a whole host of opportunities to create really good-looking documents, but you don't need it for everyday office documents. That's why the ineo+ 452 gives you the option of two controllers: a standard ineo controller and an optional Fiery controller. Whereas everyday documents are produced on the ineo controller, the Fiery controller can be used for high-class colour management, e.g. with ICC profile support. And the great thing about the ineo+ 452 is that both controllers can run parallel. That option opens up completely new possibilities for in-house document production.





# ineo<sup>+</sup> 452

## GENERAL DATA

### Type of machine

Console system (built-in scanner)

### Printing / copying speed

- > A4: max. 45/45 ppm (colour / black & white)
- > A3: max. 23/23 ppm (colour / black & white)

### Print system

Laser

### Gradation

256

### Paper feeder

- > Standard: 3,650 sheets, max. 6,650 sheets
- > 2 x 500 sheets universal cassettes (A5 – A3+, 64 – 256 g/m<sup>2</sup>), 150-sheet bypass, (A6 – A3+, 64 – 300 g/m<sup>2</sup>) for standard paper, envelopes, OHP, thick paper, banner paper
- > 1,000 sheet and 1,500 sheet cassettes (A4, 64 – 256 g/m<sup>2</sup>) for standard paper

### Paper format

Max. 311 x 457 mm

Max. 297 x 1,200 mm banner paper

### Printable area

Max. 305 x 449 mm

Max. 289 x 1,192 mm banner paper

### Warm-up time

Less than 45 seconds  
(depends on the environment)

### Dimensions (w x h x d)

650 x 1,155 x 879 mm (without options)

### Weight

Approx. 221 kg (without options)

### Power

220 – 240 V / 50 Hz

## PRINT SPECIFICATIONS

### Controller

Standard: Embedded controller with 1 GHz  
Optional: Fiery controller IC-412 with 1.86 GHz

### Memory

Standard controller uses system memory / hard disk (2,048 MB RAM / 250 GB hard disk)  
Fiery IC-412: 512 MB, 80 GB hard disk

### Resolution

Max. 1,800 x 600 dpi  
(with Smoothing Technology)

### Network protocols

TCP/IP (IPv4/IPv6), IPX/SPX, SMB, NetBEUI, LPD, SNMP, HTTP, IPP, AppleTalk, EtherTalk

### Emulation

PCL 6c, PS 3  
Fiery IC-412: Adobe PS 3, PCL 6c

### Interfaces

Ethernet 10/100/1000 BaseT, USB 2.0

### Driver

Windows 2000/2003/2008/XP/XP64/Vista32/Vista64, Windows 7, Mac OS 9.x/10.x, Unix, Linux

### Print functions

Direct Print of PCL, PS, TIFF, XPS and PDF documents, Overlay, Cover page, N-up print, Watermark, Duplex, Mixmedia and Mixplex, Banner print

## SCAN SPECIFICATIONS

### Type of scanning

Scan to E-mail/FTP/iFAX/BOX/SMB/WebDAV/to-me/Home, TWAIN-Scan

### Resolution

Max. 600 dpi

### Scanning speed

Max. 78 opm (colour / black & white)

### Size of originals

Max. A3

### Scanning formats

Single/multi TIFF, PDF, Compact PDF, JPEG, XPS, Compact XPS

### Scan addresses

2,100, LDAP-support

## COPY SPECIFICATIONS

### Document feeder

- > A6 to A3
- > Duplex document feeder (100 sheets, max. 210 g/m<sup>2</sup>)

### Copy pre-selection

1 – 9,999

### Zoom

25 – 400 % in 0.1 % steps

### First A4 copy

6.0 / 4.8 seconds (colour / black & white)

### Memory

2 GB RAM

### HDD

250 GB

### Resolution

Print: 1,800 x 600 dpi  
(with Smoothing Technology)

### Copier functions

Chapter and cover mode, test copy, colour image adjustment, creative mode, poster mode, book copy

## FAX SPECIFICATIONS (OPTIONAL)

### Compatibility

G3/Super G3, MH, MR, MMR, J-BIG/ECM, SIP-FAX (iFax and iPFax standard)

### Transfer rate / transfer speed

33.6 kBits/s, < 3 sec. ITU-No. 1

### Fax memory

Uses system memory

### Fax functions

Polling, time shift, PC-Fax, Receipt to confidential box, Receipt to E-mail, FTP, SMB

## OPTIONS

- > Finisher with 50-sheet stapling, max. 3,200-sheet capacity
- > Optional for finisher: saddle kit, punch kit (4-hole), job separator
- > Job separator, max. 200- (150/50) sheet capacity (tray one for shifted output)
- > Output tray (250 sheets)
- > Large capacity tray for 3,000 sheets (A4, 64 – 256 g/m<sup>2</sup>)
- > Large capacity tray for 2,500 sheets (A4 – A3+, 64 – 256 g/m<sup>2</sup>)
- > Keyboardholder
- > Two USB interface kits (one with bluetooth)
- > Scan accelerator
- > Security kit
- > Multibanner tray
- > Fiery controller (with additional options)
- > Fax unit
- > Biometric authentication kit
- > IC card authentication kit
- > Mifare cards for IC card authentication
- > Working table
- > Sender stamp kit for documents
- > i-Option (additional functions)

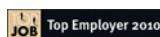
## SOFTWARE SOLUTIONS

- > Enterprise Device Manager
- > Enterprise Account Manager (optional)
- > Enterprise Authentication Manager (optional)
- > Enterprise My Panel Manager (optional)
- > Fiery Profiler Color Management (optional)
- > dots Pilot 2 imposition (optional)
- > Print Pool Manager load balancing (optional)
- > Workware document management (optional)
- > Data Administrator (user accounts & cost centres)
- > Card solutions (optional)
- > Jtman jobticket (optional)
- > Unix/Linux support
- > SAP support
- > IBM AS/400 support
- > NDPS Gateway
- > EMS Plug-in



## DEVELOP

Develop GmbH Hessenstraße 1 30855 Langenhagen Germany www.develop.eu



All data relating to the paper capacities of the document feeder, the final processing accessories and the paper cassettes apply to paper weighing 80 g/m<sup>2</sup> unless expressly stated otherwise.

All data relating to the speed of printing, scanning or faxing apply to paper of an A4 format weighing 80 g/m<sup>2</sup> unless expressly stated otherwise.

All data relating to paper weights apply to media that are recommended by DEVELOP

All technical data correspond to knowledge available at the time of going to print. DEVELOP reserves the right to make technical alterations.

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