

**DEVELOP**

Dynamic balance

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



Want to make it  
**your**  
own device?

OFFICE PRODUCTS



## Choose DEVELOP

Every industry faces different challenges. Every business has different needs. Yours is no exception. At DEVELOP we are focused on meeting your specific document production and management demands – no matter whether you're a start-up, small business or mid-sized company. We do this by providing multifunctional office devices that can be customised to your specific requirements. Discover the benefits you enjoy with DEVELOP.



## Wouldn't it be great to enjoy optimal **ease of use**?

We offer you solutions that adapt to your daily working habits and save a lot of time in routine office tasks like printing, scanning or copying. You can customise the individual screen features, specific functions and workflows to be activated via your ineo device's display. Frequently used functions can be placed on your start screen while functions you don't use can simply be removed.

## Ever dreamed of using a personally **customised device**?

You can now make your ineo device a true part of your business. Start with your own company logo, display a Flash video when the display is idle, customise your user interface on the screen, and have your business-relevant apps accessed straight from the operating panel.

Useful apps, remote app updates, connectors to cloud solutions such as Google Drive or Google Mail, paper templates – just about everything you need to improve your business processes is available from DEVELOP's dstore.

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

## Want to enjoy more **mobility** at work?

More and more businesses are transforming their offices into mobile workplaces. Employees enjoy the flexibility of working where they want, yet still need to stay connected. DEVELOP makes printing from a mobile device even easier and more intuitive than from a PC. You don't even need to download external apps or install a specific printer driver – our mobile features integrate seamlessly with innovative mobile technologies to let you print from your tablet or smartphone with just one click. Our security functionality ensures your data are safe, and on most ineo devices, access to safety features like secure print, user authentication and account tracking comes with the free app ineoPRINT.

### ineoPRINT

The free ineoPRINT app connects iOS or Android devices to ineo systems, for intuitive printing and scanning.

With ineoPRINT, documents can be printed from, or scanned to the main cloud storage platforms, bringing the documents to your hand anytime you need them.

Download the free ineoPRINT app directly from the AppStore or Google Play Store.







## Wouldn't you like to optimise your **workflow integration**?

It's easier than you might think. Our devices can easily be integrated into any existing network and help to optimise document workflows – with integrated device functionalities or professional solutions working hand in hand with our systems, e.g. the DEVELOP apps convert+share and store+find. Besides, DEVELOP offers remote monitoring of your printer fleet and helps reduce inefficiency in fleet management. Why not let our know-how optimise your workflow processes!

## Still worrying about **data security**?

In today's business environment company data have to cross a lot of different data highways, and much of your corporate data runs through your multifunctional system(s). DEVELOP ensures your data stay safe and no document ends up in the wrong hands. Thanks to the Common Criteria/ISO 15408 IEEE 2600.1 certification, access control, data security and network encryption you can be sure your data stay where they belong – in the right hands!

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

## DEVELOP's software solutions replace time-consuming manual operations with automated processes:

### **convert+share**

Scan a document in various file formats, then send the file straight to whatever destination you want, e.g. Google Drive, Evernote or Microsoft SharePoint.

### **store+find**

Locate any document easily and quickly via a keyword or full-text search facility. Store documents in a very wide range of file formats. And simply add electronic documents to store+find, or import them direct from MS Office.

### **ineo connector apps**

Three custom-developed apps connect ineo office systems to the most popular cloud services Google Apps™, Evernote™ and Microsoft SharePoint™. These apps support the mobility and flexibility demanded in modern-day offices.



### **ineo Navigator**

Want a quick overview of the different functions of your ineo system(s)? Join the free online learning platform ineoNavigator and get to know your ineo device(s) fast. Printing, scanning, copying and faxing – the usage explanations are clearly structured and flexible.

#### **Benefits**

- > Free of charge
- > Access at any time and as long as needed
- > No dependency on hotlines
- > No external instructor required
- > No unproductive waiting time

[www.ineo-navigator.develop.eu](http://www.ineo-navigator.develop.eu)



Wouldn't **great design** liven up your office?

DEVELOP systems not only make an impression with their high quality and reliability, but also their cool design. There is bound to be high spirits in your office! Whether you choose one of the fashionable designs that are ready to make your office even more attractive, or if you create your own ineo decor that perfectly matches to your environment. Contact your DEVELOP partner and discover the ineo decors.



## Know the benefits **green efficiency** brings your business?

Our planet's survival depends on how we care for the environment today. As a company we are proud of our ISO 14001 environmental certification and production facilities that work to the zero-waste principle. But even more importantly for you, all our office devices are environment-friendly, e.g. with recyclable components and energy-saving features to reduce power consumption. ENERGY STAR and Blue Angel awards are proof of their environmental friendliness. And that means a better carbon footprint for your business and money saved through lower electricity bills.

## Keen to **cut costs**?

Ease of use, customisation, green efficiency, optimised document processes: what do all these benefits have in common? They save your staff time and effort, and your business money. To cut your document production and management costs all you have to do is invest in a DEVELOP device.



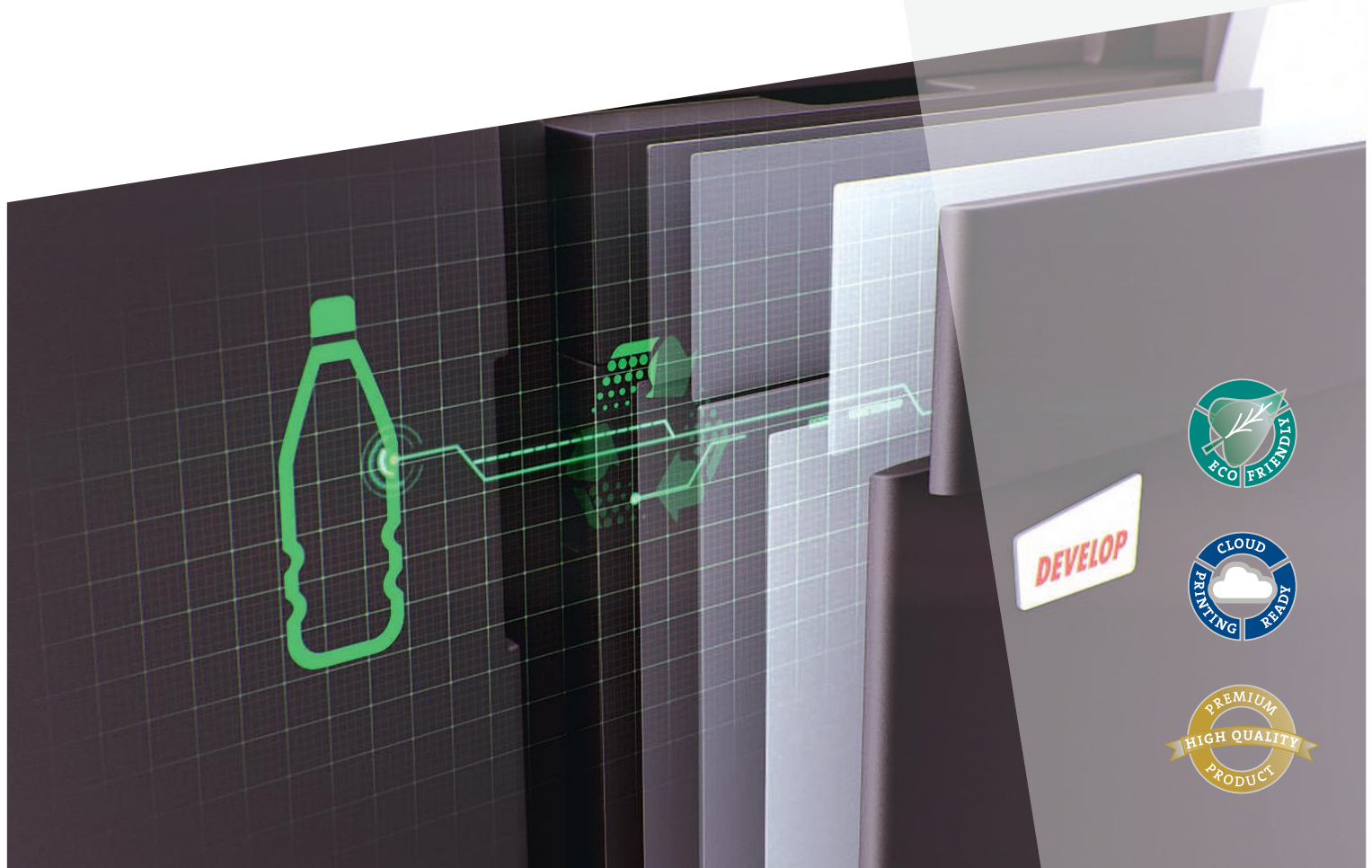
### > ENERGY STAR

As part of an energy-saving programme for office equipment, products that meet specific standards can be registered as ENERGY STAR devices. In particular, the devices power down when not in use to save electricity. All new DEVELOP devices are ENERGY STAR-qualified.



### > Blue Angel

Since 1978, the Blue Angel seal has been awarded to environment-friendly products. Blue Angel evaluates a product's energy consumption, noise emissions and recyclability. Since energy consumption is directly related to CO<sub>2</sub> emissions, a crucial greenhouse gas, Blue Angel devices are helping to reduce CO<sub>2</sub> emissions. DEVELOP has continued to receive certification for new products by clearing the certification bar each time it has been raised.



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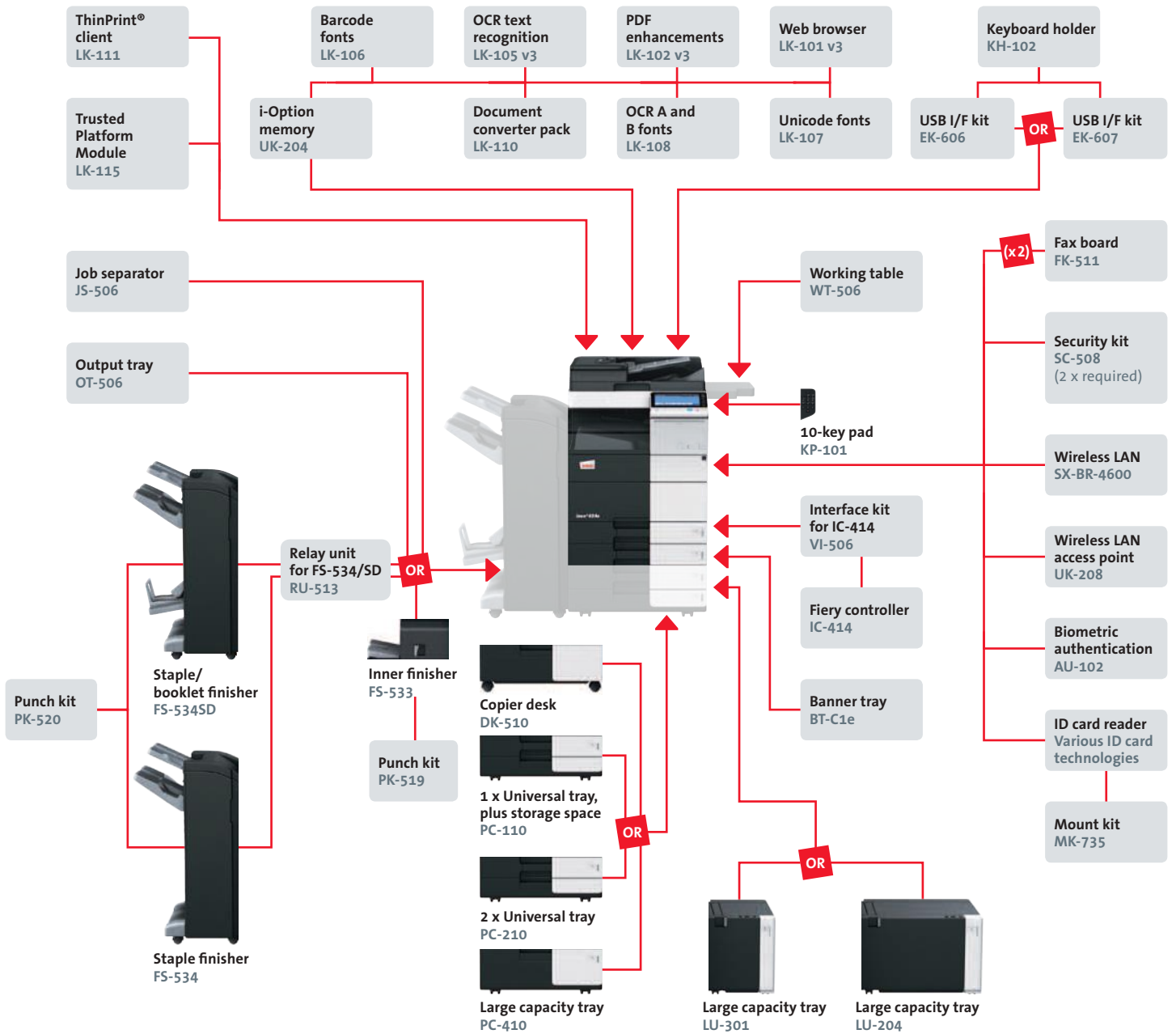
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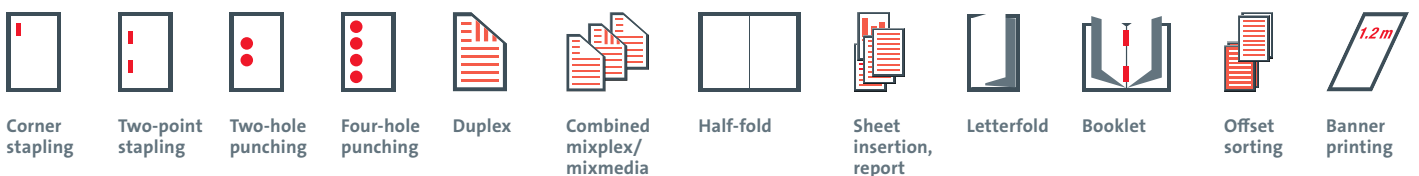
# ineo<sup>+</sup> 454e

- > Colour  
A3 multifunctional
- > Up to 45 ppm





### Finishing functionalities



## ineo+ 454e

A3 multifunctional with 45 ppm b/w and colour. Standard ineo print controller with PCL 6c, PostScript 3, PDF 1.7 and XPS support. Paper capacity of 500 + 500 sheets and 150-sheet manual bypass. Media from A6 to SRA3, 1.2 m banner and 52–300 g/m<sup>2</sup>. 2 GB memory, 250 GB hard disk and Gigabit Ethernet standard.

PC-110 1 x Universal tray	A5–A3, 500 sheets, 52–256 g/m <sup>2</sup>
PC-210 2 x Universal tray	A5–A3, 2 x 500 sheets, 52–256 g/m <sup>2</sup>
PC-410 Large capacity tray	A4, 2,500 sheets, 52–256 g/m <sup>2</sup>
LU-204 Large capacity tray	A4–SRA3, 2,500 sheets, 52–256 g/m <sup>2</sup>
LU-301 Large capacity tray	A4, 3,000 sheets, 52–256 g/m <sup>2</sup>
DK-510 Copier desk	Provides storage space for print media and other materials
FS-533 Inner finisher	50-sheet stapling, 500 sheets max. output
PK-519 Punch kit for FS-533	2/4 hole punching, autoswitching
FS-534 Staple finisher	50-sheet stapling, 3,300 sheets max. output
FS-534SD Booklet finisher	50-sheet staple finisher, 20-sheet booklet finisher,
RU-513 Relay unit for FS-534/SD	For FS-534/SD installation
PK-520 Punch kit for FS-534/SD	2/4 hole punching, autoswitching
JS-506 Job separator	Separation for fax output etc.
OT-506 Output tray	Output tray used instead of finisher
KP-101 10-key pad	For use instead of touchscreen
WT-506 Working table	Authentication device placement
FK-511 Fax board	Super G3 fax, digital fax functionality

IC-414 Fiery controller	Professional colour print controller
VI-506 Interface kit for IC-414	Fiery controller interface card
KH-102 Keyboard holder	To place USB keyboard
EK-606 USB I/F kit	USB keyboard connection
EK-607 USB I/F kit	USB keyboard connection, Bluetooth
ID card reader	Various ID card technologies
MK-735 Mount kit	Installation kit for ID card reader
AU-102	Finger vein scanner
<b>Biometric authentication</b>	
SC-508 Security kit	Copy Guard function (2 x required)
BT-C1e Banner tray	Multipage banner feeding
LK-101 v3 Web browser	Web browser and IWS
LK-102 v3 PDF enhancements	PDF/A (1b), PDF encryption, digital signature
LK-105 v3 OCR text recognition	Searchable PDF and PPTX, PDF/A (1a)
LK-106 Barcode fonts	Supports native barcode printing
LK-107 Unicode fonts	Supports native Unicode printing
LK-108 OCR A and B fonts	Supports native OCR A and B font printing
LK-110	Generates various file formats incl. DOCX, XLSX and PDF/A
Document converter pack	and PDF/A
LK-111 ThinPrint® Client	Print data compression for reduced network impact
LK-115 TPM activation	Trusted Platform Module for protection of data encryption and decryption
UK-204 i-Option memory	Memory extension for i-Options
UK-208 Wireless LAN	Required for ineo Remote Access on Android and iOS and for Wireless LAN Access Point Mode
SX-BR-4600 Wireless LAN	Wireless LAN to network connector

## Technical specifications

## SYSTEM SPECIFICATIONS

System memory	2,048 MB (standard)
System hard disk	250 GB (standard)
Interface	10-Base-T/100-Base-T/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11b/g/n (optional)
Network protocols	TCP/IP (IPv4 / IPv6); IPX/SPX; NetBEUI; AppleTalk (EtherTalk); SMB; LPD; IPP; SNMP; HTTP
Frame types	Ethernet 802.2; Ethernet 802.3; Ethernet II; Ethernet SNAP
Automatic document feeder	Up to 100 originals; A6–A3; 35–163 g/m <sup>2</sup> , Dual scan ADF
Printable paper size	A6–SRA3, customised paper sizes; banner paper max. 1,200 x 297 mm
Printable paper weight	52–300 g/m <sup>2</sup>
Paper input capacity	Standard: 1,150 sheets Max.: 6,650 sheets
Tray 1	500 sheets, A5–A3, 52–256 g/m <sup>2</sup>
Tray 2	500 sheets, A5–SRA3, 52–256 g/m <sup>2</sup>
Tray 3 (optional)	1 x 500 sheets, A5–A3, 52–256 g/m <sup>2</sup>
Tray 4 (optional)	2 x 500 sheets, A5–A3, 52–256 g/m <sup>2</sup>
Large capacity tray (optional)	2,500 sheets, A4, 52–256 g/m <sup>2</sup>
Large capacity tray LU-301 (optional)	3,000 sheets, A4, 52–256 g/m <sup>2</sup>
Large capacity tray LU-204 (optional)	2,500 sheets, A4–SRA3, 52–256 g/m <sup>2</sup>
Manual bypass	150 sheets, A6–SRA3, custom sizes, banner, 60–300 g/m <sup>2</sup>
Automatic duplexing	A5–SRA3; 52–256 g/m <sup>2</sup>
Finishing modes (optional)	Offset; group; sort; staple; punch; centre-fold; letter fold; booklet
Output capacity (with finisher)	Max.: 3,300 sheets
Output capacity (without finisher)	Max.: 250 sheets
Stapling	Max.: 50 sheets or 48 sheets + 2 cover sheets (up to 209 g/m <sup>2</sup> )
Stapling output capacity	Max. 1,000 sheets
Letter fold	Up to 3 sheets
Letter fold capacity	Max.: 30 sheets; unlimited
Booklet	Max.: 20 sheets or 19 sheets + 1 cover sheet (up to 209 g/m <sup>2</sup> )

Booklet output capacity	Max.: 100 sheets; unlimited
Copy/print volume (monthly)	Rec.: 30,000 pages; max. <sup>(1)</sup> : 150,000 pages
Toner lifetime	Black 27,500 pages; CMY 26,000 pages
Imaging unit lifetime	Black 130,000 pages/600,000 pages (Drum/Developer) CMY 95,000 pages/600,000 pages (Drum/Developer)
Power consumption	220–240 V / 50/60 Hz; less than 1.5 kW (system)
System dimensions (W x D x H)	615 x 685 x 921 mm (excl. lower paper tray unit)
System weight	Approx. 101 kg

## COPIER SPECIFICATIONS

Copying process	Electrostatic laser copy, tandem, indirect
Toner system	HD polymerised toner
Copy/print speed A4 (mono/colour)	Up to 45 ppm
Copy/print speed A3 (mono/colour)	Up to 22 ppm
Autoduplex speed A4 (mono/colour)	Up to 45 ppm
1st copy out time (mono/colour)	4.6 sec. / 5.5 sec.
Warm-up time	Approx. 25 sec. <sup>(2)</sup>
Copy resolution	600 x 600 dpi
Gradation	256 gradations
Multicopy	1–9,999
Original format	A5–A3
Magnification	25–400 % in 0.1 % steps; auto-zooming
Copy functions	Chapter; cover and page insertion; proof copy (print and screen); adjustment test print; digital art functions; job setting memory; poster mode; image repeat; overlay (optional); stamping; copy protection

<sup>1</sup> If the maximum volume is reached within a period of one year, then a maintenance cycle must be performed.

<sup>2</sup> Warm up time may vary depending on the operating environment and usage



PRINTER SPECIFICATIONS

<b>Print resolution</b>	1,800 x 600 dpi; 1,200 x 1,200 dpi
<b>Page description language</b>	PCL6 (XL 3.0); PCL 5c; PostScript 3 (CPSI 3016); XPS
<b>Operating systems</b>	Windows Vista (32/64), Windows 7 (32/64) Windows 8 (32/64), Windows 10 (32/64) Windows Server 2008 (32/64), Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Macintosh OS X 10.x, Unix, Linux, Citrix
<b>Printer fonts</b>	80 PCL Latin; 137 PostScript 3 Emulation Latin
<b>Print functions</b>	Direct print of PCL, PS, TIFF, XPS, PDF (v1.7), encrypted PDF files and OOXML (DOCX, XLSX, PPTX); mixmedia and mixplex; "Easy Set" job programming; overlay; watermark; copy protection; carbon copy print
<b>Mobile Printing</b>	AirPrint (iOS), Mopria (Android), Google Cloud Print (optional), WiFi Direct (optional), ineoPRINT (iOS & Android)

PRINTER SPECIFICATIONS (OPTIONAL)

<b>Print controller</b>	Embedded Fiery IC-414
<b>Controller CPU</b>	Intel Pentium @ 2.6 GHz
<b>Memory / HDD</b>	2 GB / 160 GB
<b>Page description language</b>	Adobe PostScript 3 (CPSI 3019), PCL 6/5c
<b>Operating systems</b>	Windows Vista (32/64), Windows 7 (32/64), Windows 8 (32/64), Windows 10 (32/64), Windows Server 2008 (32/64), Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Macintosh OS 9.x/10.x

SCANNER SPECIFICATIONS

<b>Scan speed (mono/colour)</b>	Up to 160 ipm (with optional DF-701)
<b>Scan resolution</b>	Max.: 600 x 600 dpi
<b>Scan modes</b>	Scan-to-E-mail (Scan-to-Me), Scan-to-SMB (Scan-to-Home), Scan-to-FTP, Scan-to-Box, Scan-to-USB, Scan-to-WebDAV, Scan-to-DPWS, Network TWAIN scan
<b>File formats</b>	JPEG; TIFF; PDF; PDF/A 1a and 1b (optional); compact PDF; encrypted PDF; searchable PDF (optional); XPS; compact XPS; PPTX; searchable DOCX/XLSX/PPTX (optional)
<b>Scan destinations</b>	2,100 (single + group); LDAP support
<b>Scan functions</b>	Annotation (text/time/date) for PDF; up to 400 job programs; real-time scan preview

FAX SPECIFICATIONS

<b>Fax standard</b>	Super G3 (optional)
<b>Fax transmission</b>	Analogue, i-Fax, Colour i-Fax (RFC3949-C), IP-Fax
<b>Fax resolution</b>	Max.: 600 x 600 dpi (ultra-fine)
<b>Fax compression</b>	MH; MR; MMR; JBIG
<b>Fax modem</b>	Up to 33.6 Kbps
<b>Fax destinations</b>	2,100 (single + group)
<b>Fax functions</b>	Polling; time shift; PC-Fax; receipt to confidential box; Receipt to E-mail/FTP/SMB; up to 400 job programs

USER BOX SPECIFICATIONS

<b>Max. storable documents</b>	Up to 3,000 documents or 10,000 pages
<b>Type of user boxes</b>	Public; Personal (with password or authentication); Group (with authentication)
<b>Type of system boxes</b>	Secure print; Encrypted PDF print; Fax receipt; Fax polling
<b>User box functionality</b>	Reprint; Combination; Download; Sending (E-mail/FTP/SMB and Fax); Copy box to box

SYSTEM FEATURES

<b>Security</b>	ISO15408/IEEE 2600.1 certified; IP filtering and port blocking; SSL2; SSL3 and TSL1.0 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure print; Hard disk overwrite (8 standard types); Hard disk data encryption (AES 256); Memory data auto deletion; Confidential fax receipt; Print user data encryption; copy protection (Copy Guard, Password Copy) optional
<b>Accounting</b>	Up to 1,000 user accounts; Active Directory support (user name + password + E-mail + smb folder); User function access definition; Biometric authentication (finger vein scanner) optional ID card authentication (ID card reader) optional
<b>Software</b>	store+find (opt.), convert+share (opt.), Personal Applications (opt.), Enterprise Suite (opt.), Data Administrator (user accounts & cost centres), Card solutions (opt.), Unix/Linux support, SAP support, EveryonePrint (opt.), PCounter (opt.)



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Konica Minolta Business Solutions Europe GmbH  
Europaallee 17 30855 Langenhagen Germany Phone +49 511 7404-0 www.develop.eu

For more information regarding the ineo+ 454e please refer to the respective product homepage



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

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April 2016

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