

DEVELOP

Dynamic balance

Product Guide

ineo 4052/4752

v1.2

2018-04-26

Product Guide ineo 4052/4752

Revision	Description
Version 1.1	Initial version
Version 1.2	p.24 – updated compatibility list

Since changes in technical features may occur, please note that the technical data provided in this product guide was issued in February 2018. We reserve the right to make changes to the technical design. Specifications refer to maximum performance under standard conditions. No guarantee is provided in relation to any of the data supplied.

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Product basics		
	ineo 4052	ineo 4752
MODEL DEVELOPMENT CODE	Kronos S 2 mfp	Kronos S 1 mfp
MODEL NAME	ineo 4052	ineo 4752
SUCCESSOR MODEL FOR	ineo 4050	ineo 4750
ALSO AVAILABLE AS	bizhub 4052 Lexmark Perak (tbd)	bizhub 4752 Lexmark Perak (tbd)
ESTIMATED SALES START	05/2018	
INFOSOURCE SEGMENT	III	
MAX. MONTHLY (PEAK) COPY/PRINT VOLUME	100,000	150,000
	(If the maximum volume is reached within a period of one year, then a maintenance cycle must be performed.)	
AVERAGE MONTHLY COPY/PRINT VOLUME	7,000	
RECOMMENDED MONTHLY COPY/PRINT VOLUME (KMI specified)	3,500	4,500
MACHINE LIFE	440,000 pages or 5 years (whichever comes first)	
SCANNER LIFE	220,000 scans or 5 years whichever comes first Scanner may be used to scan up to an average of 9,000 sides per month but not to exceed a lifetime total of 220,000 sides.	
MPBF (Mean Pages Between Failures)	121 000 *depending on conditions	
ENVIRONMENTAL REGULATIONS		
Blue Angel mark	Compliant, depending on the country	
Energy Star certification	Yes	
RoHS compliant	Yes	
SAFETY & ENVIRONMENT	Available on dbox	

PLEASE NOTICE

Standard paper weight for systems is 80 g/m² for monochrome machines. Since using these standards result in optimum system performance, all specifications on performance, reliability, maintenance and replacement based on those standard papers. Using thick papers, labels, transfer and polyester films continuously can increase the wear and tear on replacement parts and consumables – meaning your servicing costs will go up. Use the bypass or the lower tray from the paper feed unit when working with materials having such characteristics as polyester films, textile transfer films and labels. Otherwise, you may be faced with double feeding or a higher number of feeding jams. If possible use subtray when working with materials having such characteristics as polyester films, textile transfer films and labels. Rollermarks on the copy or print may appear or increased jams can occur. Standard paper weights yield the best possible copy and print results. Using higher grammatures may influence the quality of the output. Using standard paper weights also guarantees that double sided copies and prints are made reliably. Different characters of films as well as thick, thin and coated papers may increase the jam rate for double sided copies and prints

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System dimensions

ineo 4052/4752

MFP Dimensions (Unpacked, No options)

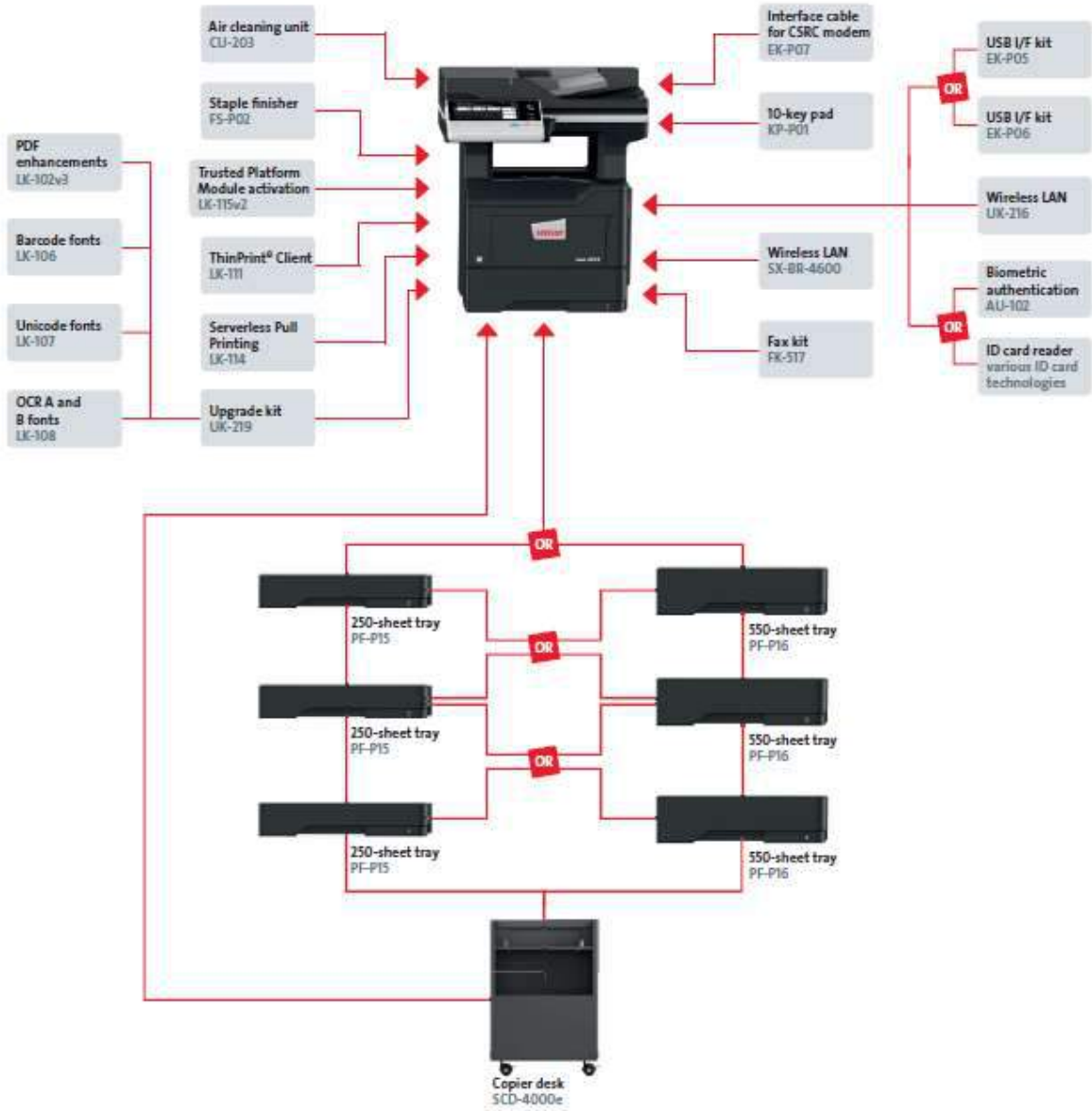
	Height	Width	Depth	Weight
Kronos S1 MFP Kronos S2 MFP	21.5 in	19.3 in	20.5 in	52.5 lbs.
	546 mm	490 mm	521 mm	23.82 kg
(Reference) Moonraker	21.5 in	19.3 in	18.8 in	49.2 lbs.
	546 mm	490 mm	477 mm	22.3 kg

Footprint		Width	Depth	
		15.3 in	14.7 in	
		389 mm	374 mm	

Input Options	Height	Width	Depth	Weight
250 sheet input tray	3.7 in	15.3 in	14.7 in	9.2 lb.
	95 mm	389 mm	374 mm	4.2 kg
550 sheet input tray	5.0 in	15.3 in	14.7 in	10.5 lb.
	126 mm	389 mm	374 mm	4.7 kg
Output Options	Height	Width	Depth	Weight
Staple	7.7 in	15.3 in	3.9 in	11.6 lb.
	195 mm	389 mm	99 mm	5.3 kg

System configuration

ineo 4052/4752:



Operation panel

ineo 4052/4752:

KronosS-MFP



【Difference】
LED is located in panel ASSY of KronosS MFP.

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System specifications	
Duplex unit STANDARD	
Type	Automatic duplex unit included in the main body
Media	Paper only
Media Format	Letter, Legal, A4, Folio, Officio
Media Weight	60 – 90 gsm
Automatic Document Feeder STANDARD	
Type	dual type
Capacity	50 sheets paper (80 gsm)
Media	Paper only
Media Format	Letter, Legal, A4, A5, A6, JIS B5, Folio, Officio, Executive, Statement min. 105 x 105 mm max 216 x 356 mm
Media Weight	52 – 120 gsm Applies to Universal-sized Media. For Standard Media Sizes, supported weight is 60 - 90 g/m ² (16 - 24 lb.)
Standard paper cassette STANDARD	
Capacity	550 sheets paper (80 gsm) 100 Transparencies Full Tray of Labels* * Single sided paper labels are supported for occasional use of less than 20 pages per month. Labels such as vinyl labels, pharmacy labels, or dual-sided labels are not supported.
Media	Paper (including recycled paper) Labels* Transparencies
Paper weight	60 – 120 gsm
Paper format	Continuously adjustable with stops for A4, A5, A6, JIS B5, Officio, Letter, Legal, Folio, Executive Min: 105 x 148 mm Max: 216 x 356 mm

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Manual bypass tray		STANDARD
Capacity	100 sheets paper (80 gsm) 10 envelopes (80 gsm) 30 labels 20 transparencies 20 sheets card stock	
Media	Paper (including recycled paper) Labels Envelopes Transparencies Card stock	
Paper weight	60 – 216 gsm	
Paper format	A4, A5, A6, JIS B5, Letter, Legal, Executive, Statement, Folio, 3X5	
Custom sizes	Min.: 76.2 x 127 mm Max.: 216 x 356 mm	
PF-P15 Additional paper cassette		OPTION
Capacity	250 sheets (80 gsm) Full tray of labels Transparencies (50)	
Media	Paper Labels* Transparencies * Single sided paper labels are supported for occasional use of less than 20 pages per month. Labels such as vinyl labels, pharmacy labels, or dual-sided labels are not supported.	
Paper weight	60 – 120 gsm	
Paper format	A4, A5, JIS, B5, Letter, Legal, Executive Min.: 148 x 210 mm Max.: 216 x 356 mm	
Dimensions (W x D x H)	389 x 374 x 95 mm	
Weight	4.2 kg	
Remark	Could be installed up to 3 times at ineo 4052/4752.	

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PF-P16 Additional paper cassette		OPTION
Capacity	550 sheets (80 gsm) Full tray of labels Transparencies (100)	
Media	Paper Labels* Transparencies * Single sided paper labels are supported for occasional use of less than 20 pages per month. Labels such as vinyl labels, pharmacy labels, or dual-sided labels are not supported.	
Paper weight	60 – 120 gsm	
Paper format	A4, A5, JIS, B5, Letter, Legal, Executive Min.: 148 x 210 mm Max.: 216 x 356 mm	
Dimensions (W x D x H)	389 x 374 x 126 mm	
Weight	4.7 kg	
Remark	Could be installed up to 3 times at ineo 4052/4752.	
SCD-4000e Copy desk		OPTION
Weight	19 kg	
Dimensions (W x D x H)	450 x 465 x 652 mm	
Remark	Adjustable cabinet (metal)	
FS-P02 Stapling unit		OPTION
Functionality	Staple	
Tray capacity	250 sheets	
Paper formats	A4, Folio, Legal, Letter, Oficio	
Paper weights	60 – 120 gsm	
Stapling capacity	20 sheets per set	
Staples	SK-501	
Remark	For detailed information see Appendix page 38.	
Dimensions (W x D x H)	195 x 409 x 371.5 mm	
Weight	5.3 kg	

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IC Card reader support		OPTION
Function	Authentication by contact less ID card	
Remark	For details on available card technologies please refer to the price list. Not possible to combine with AU-102	
KP-101 10-key-pad		OPTION
Functionality	Hardware 10 key pad for number entry instead of touch panel	
EK-P07 Local Interface Kit		OPTION
Functionality	RS232C cable required for installation of CSRC GPRS modem.	
FK-517 Fax board		OPTION
Communication	Super G3	
Specifications	Please refer to the chapter "Fax specifications"	
Remark	No mount kit required for installation – bundled with FK-517	
EK-P05 USB I/F kit		OPTION
Functionality	Additional USB connection	
EK-P06 USB I/F kit		OPTION
Functionality	Additional USB connection, Bluetooth LE	
UK-219 2 GB Memory Extension		OPTION
Functionality	2 GB Memory Extension <ul style="list-style-type: none"> • for using the full IWS and Webbrowser functionality • for using LK-102/LK-106/LK-107/LK-108/LK-114 (if host system) 	
LK-102v3 i-Option license		OPTION
Functionality	PDF/A, PDF encryption, digital signature	
Remark	Requires UK-219 memory extension	
LK-106 i-Option license		OPTION
Functionality	Additional barcode fonts.	
Remark	Requires UK-219 memory extension	

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LK-107 i-Option license		OPTION
Functionality	Additional Unicode fonts.	
Remark	Requires UK-219 memory extension	
LK-108 i-Option license		OPTION
Functionality	Additional OCR fonts.	
Remark	Requires UK-219 memory extension	
LK-111 i-Option license		OPTION
Functionality	ThinPrint connectivity.	
Remark	No additional memory required.	
LK-114 i-Option license		OPTION
Functionality	Serverless Pull Printing	
Remark	Secure and Follow Me printing solution requiring no server application. Host device requires 4 GB memory.	
LK-115v2 i-Option license		OPTION
Functionality	Trusted Platform Module for protection of data encryption and decryption	
SX-BR-4600 Wireless LAN		OPTION
Functionality	External LAN to WLAN box	
UK-216 Wireless LAN		OPTION
Function	Wireless LAN and wireless LAN Access Point Mode. Needed in order to integrate the ineo into existing wireless network environments.	
AU-102 Biometric authentication		OPTION
Functionality	Finger vein scanner	
Remark	Not possible to combine with card readers at the same time.	

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CU-203 Air cleaning unit		OPTION
Functionality	Improving indoor air quality by reduced emissions	

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Copier specifications				
			ineo 4052	Ineo 4752
WARM-UP TIME			Approx 37 sec. (This specification is for use in sales proposals and bid responses only. It should not be made generally available in brochures, web pages, dealer announce letters, etc.)	
FIRST COPY			Approx. 8.5 sec.(ADF), 6.5 sec. (Platen)	
COPY SPEED	Simplex		Up to 40 ppm	Up to 47 ppm
	Duplex		Up to 30 ppm	Up to 33 ppm
COPY RESOLUTION			Max. 600 x 600 dpi	
ZOOM			25 - 400 %, adjustable in 0,1% steps	
MULTI COPY			1 – 9999	
EXPOSURE CONTROL			Manual (Text; Photo/Text; Photo)	
GRAY SCALE LEVEL			256	
IMAGE LOSS			Leading / trailing / Right / left edge: Print functionality: each 4.2 ±2.0 mm Copy functionality: each 4.0 ±2.0 mm	
POWER REQUIREMENT			220 - 240 V / 50/60 Hz	
POWER CONSUMPTION	READY		24.5 W	24.5 W
	SIMPLEX PRINT		560 W	620 W
	DUPLEX PRINT		420 W	450 W
	COPYING		600 W	660 W
	SLEEP		1.6 W	1.5 W
	HIBERNATE		0.4 W	0.5 W
	TEC		1.7875 kWh/week	2.211 kWh/week
ACOUSTICS	STAND-BY		15 dB(A)	15 dB(A)
	COPY		57 dBA	58 dBA
	SIMPLEX PRINT		54 dBA	55dBA
	DUPLEX PRINT		54 dBA	54 dBA
	SLEEP/HIBERN.		15 dB(A)	15 dB(A)
COPIER DIMENSIONS (W x D x H)			490 x 521 x 546 mm	
COPIER WEIGHT			Approx. 23.82 kg	
FOOTPRINT (W x D)			389 x 374 mm	

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COPY FUNCTIONS	
2in1	yes
4in1	yes
8in1	yes
Electronic sorting	yes
Multi job (interrupt)	yes
Adjustments	Contrast; Saturation; Brightness ; Sharpness; Image density;
Next job reservation	yes
Proof copy	yes
Interrupt mode	yes
Media selection	yes (Media size selections / Media type selections)
Magnification selection	yes (Auto, Full-size, Minimal, XY zoom, Pre-set zoom, Manual)
Simplex / Duplex selection	yes
Separate scan	yes
Sort / Group	yes / yes
Original selection	yes (Mixed original, Original direction, Original bind selection, Page bind selection)
Original type settings	yes (Text, Text & Photo, Photo)
Background adjustment	yes (manual 9 levels)
Copy density adjustment	yes (manual 9 levels)
Page margin	yes
Frame erase	yes
ID card copy	yes

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Printer specifications		
	ineo 4052	ineo 4752
FIRST PRINT-OUT TIME	Approx. 6.5 sec.	
PRINT SPEED A4	Up to 40 ppm	Up to 47 ppm
AUTODUPLEX SPEED A4	Up to 30 ppm	Up to 33 ppm
PRINT RESOLUTION	Default mode: 600 x 600 dpi High-definition mode: 1200 x 1200 dpi (reduced speed, same as thick paper simplex)	
MEMORY (Std./Max.)	2 GB / 4 GB	
HDD	250 GB	
OPERATOR PANEL	7" TFT Color LCD WVGA (with Capacitive Touch screen) 10 "hard" buttons (opt.); "touch" buttons	
LCD LANGUAGE	Multi-language	
IMAGE LOSS	Leading edge: 4.2 ± 2.0 mm Trailing edge: 4.2 ± 2.0 mm Both sides: 4.2 ± 2.0 mm	
OUTPUT CAPACITY	250 sheets	
CPU	ASIC 777 88PA6270 (< 1200MHz)	
TEC	1.7875 kWh (Lexmark specs)	2.211 kWh (Lexmark specs)
PDL	PCL5e/c Emulation PCL XL ver.3.0 Emulation PostScript 3 Emulation (3016) XPS Ver.1.0 PPML/GA2.2 PPML VDX OpenXPS, PDF1.7 Ooxml (pptx / xlsx / docx)	
FONTS		
PCL	80 PCL Latin	
PostScript3	137 Postscript Latin	
Remarks	Following fonts can be used depending on i-Option (optional): Barcode font / Unicode font / OCR font	
INTERFACES		
10Base-T/100Base-TX/1000 Base-T	yes (standard)	
USB-B 2.0 (back)	yes (standard)	
USB-A 2.0 (front)	yes (standard)	

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NETWORK PROTOCOLS	
TCP/IP (IPv4, IPv6)	yes
SMB	yes
LPD	yes
IPP	yes
SNMP	yes
HTTP	yes
HTTPS	yes
Remarks	For detailed information see Appendix page 38.
SUPPORTED OS	
Windows 7 (32/64)	yes
Windows 8/8.1 (32/64)	yes
Windows 10 (32/64)	yes
Windows Server 2008 (32/64)	yes
Windows Server 2008 R2 (64)	yes
Windows Server 2012/R2	yes
Windows Server 2016	yes
Macintosh OS X 10.9	yes
Linux	yes
Unix	yes

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PRINT FUNCTIONS	
Date stamp	yes
Distribution numbering	yes
Image insertion	yes
Image shift	yes
Image rotation	yes
Job accounting	yes
Non-image area erase	yes
OHP interleaving	yes
Overlay	yes
Page insertion	yes
Page stamp	yes
Proof print	yes
Stamp	yes
Watermark	yes
Print from USB	USB memory to Print: PDF (up to 1.7) / CPDF / JPEG / TIFF / XPS / CXPS / pptx / xlsx / docx / OpenXPS / PPML/GA2.2 / PPML VDX
Tab print	yes
N-up	yes

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Scanner specifications		
SCANNER TYPE	Colour/Mono Flatbed Scanner with DADF	
SCAN TECHNOLOGY	CIS	
LIGHT SOURCE	LED	
SCAN FUNCTIONS		
Scan to FTP	yes	
Scan to SMB/ PC (scan-to-home)	yes	
Scan to E-Mail (scan-to-me)	yes	
Scan to WebDAV	yes	
Scan to HDD	yes	
Scan to USB	yes	
Scan to URL	yes	
Scan-to-me	yes	
WSD scan	yes	
Network TWAIN (via Ethernet TCP/IP)	yes	
SCAN SPEED	SIMPLEX MONO	Up to 47 ipm
	SIMPLEX COLOUR	Up to 30 ipm
	DUPLEX MONO	Up to 94 ipm
	DUPLEX COLOUR	Up to 60 ipm
COLOUR SCANNING CAPABILITY	yes	
SCAN AREA - ADF	Max. Legal 8.5" x 14.0" (216mm x 356mm) SEF Min. A6 (105mm x 148mm) SEF (=short edge feeding)	
SCAN ARE – PLATEN	Max. Legal 8.5" x 14" (216mm x 356mm)	
SCAN RESOLUTION	Max. 600 x 600 dpi Max Optical resolution: 1200 dpi – Mono; 600 dpi – Color Scanner ADF: 600 x 600 dpi - Mono 600 x 300 dpi - Color	
SCAN FORMAT	TIFF, PDF, Compact PDF, JPEG, XPS, PDF/A (opt.), Compact XPS, PPTX, Linearized PDF, Encrypted PDF	

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PROTOCOLS	TCP/IP (FTP, SMB (support SMB 3.0), HTTP, SMTP,IFAX, web Services on devices)
Remarks	For detailed information see Appendix page 38.
FURTHER SCAN FEATURES	
Background removal	yes
Copy image type selection	yes (Text, Text/Photo, Photo)
Page setting	yes
Authentication for e-mail transmission	yes
Encrypted mail transmission	yes

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Fax specifications		OPTIONAL
GENERAL INFORMATION		
Communication	ECM / Super G3	
Compatible lines	PSTN (Public switch telephone network), PBX (private branch exchange)	
Max. modem speed	2.4 - 33,6 kbps	
Compression	MH, MR, MMR, JBIG	
Sending paper size	Flatbed Max (W x L) 215.9 x 355.6mm ADF Max (W x L) 215.9 x 1000 mm	
Receiving paper size	Max. A4 (max. 1,000 mm; printed according page partition setting)	
Transmission speed	Less than 3 sec. (A4, V.34, 33.6 kbps, JBIG)	
Memory	Shared among all MFP functions	
Number of abbr. dials	2,000	
Number of program dials	400	
Number of group dials	100	
Sequential multiple station transmission	Max. 400	
i-Fax	yes, Protocol SMTP/POP Internet FAX to Print (TIFF interpreter) - US ASCII, ISO-8859-1, ISO-8859-2, ISO-2022-JP Scan to Internet FAX - TIFF(MH, MR, MMR with B&W 1bit, 200x100, 200x200, 400x400dpi (FULL mode)), 600x600dpi (Original) - Send via E-mail protocol. Support MDN/DSN Color i –FAX Profile-C (JPEG) Resolution: 200x200、 400x400、 600x600dpi (Original)	
PC-fax	Protocol SMTP - Optional: FAX board (FK-517) is required - File type Color mode: PDF (Fixing) Monochrome: TIFF (Fixing) - Resolution Color mode: 200x200, 400x400, 600x600dpi Monochrome: 200x100, 200x200, 400x400, 600x600dpi	

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Fax features	Program, Select from address book, Group dial program, Auto redial, Original type (Text, Text/Photo, Photo, Dot matrix), Density, Memory/Quick TX, Busy/Error redial, Broadcast TX, Priority TX, Timer TX, Confidential TX/RX, Relay TX request, Polling TX/RX, Bulletin, Original bind direction/Paper bind direction, Frame Erase TX, TX Original size setting, Mixed original TX, Overseas TX mode, ECM OFF, V34 OFF TX, Password TX, Memory RX, Memory vicarious execution RX, Password RX, Call Rejection, Confidential print, Relay broadcast, Auto reduction print, Full size print, TEL/FAX Auto switch, Audio response, Answering machine connection, Number display, Dial-in, Vicarious execution forward, Remote RX, Nighttime Receiving User box destination setting, Communication activity report, TX result report, Broadcast result TX report, Confidential RX report, Bulletin TX report, Various lists, 2-Sided record, Banner paper original TX/RX, PC-FAX TX/RX, Revival TX, TSI routing, Box support (Save / E-mail forward), Prevention of mistransmission
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Consumables		
	ineo 4052	ineo 4752
TONER BLACK		
Starter cartridge yield	6,000 ¹ pages	
Std. cartridge	TNP64	
Yield	25,000 ¹ pages	
Units per box	1	
Remark	No compatibility to other machine.	
Use and Return Cartridge	TNP63	
Yield	25,000 ¹ pages	
Units per box	1	
Remark	No compatibility to other machine.	
IMAGING UNIT		
Std. Imaging Unit	IUP33	
SFV Yield	60,000 ² pages	
R&D Yield	60,000 ² pages	
Units per box	1	
Remark	No compatibility to other machine.	
Use and Return Cartridge	IUP32	
SFV Yield	60,000 ² pages	
R&D Yield	60,000 ² pages	
Units per box	1	
Remark	No compatibility to other machine.	
STAPLE CARTRIDGE		
Name	SK-501	
Compatible finisher	FS-P02	
Quantity per sales unit	5 x 1,000 pieces per package	

¹ Average continuous black cartridge yield is standard pages as listed. Declared yield value in accordance with ISO/IEC 19752.

² Imaging Unit Estimated Yield: Up to 60,000 pages, based on 3 average Letter/A4-size pages per print job at approximately 5% coverage. Actual Yield will vary considerably based on other factors such as device speed, paper size and feed orientation, toner coverage, tray source and print job complexity.

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Article numbers and compatibility		
Machine	Article number	Compatibility
ineo 4052	4827000346	---
ineo 4752	4827000347	---
Accessories	Article number	Compatibility
PF-P15 250-sheet tray	AANAWY1	ineo 3602P/4402P/4702P ineo 3622/4422/4052/4752
PF-P16 550-sheet tray	AANCWY1	ineo 3602P/4402P/4702P ineo 3622/4422/4052/4752
FS-P02 Stapling unit	A6VHWY1	ineo 4050/4750
SCD-4000e Simple Copy Desk	9967008246	ineo 3602P/4402P/4702P ineo 3622/4422/4052/4752
KP-101 Numerical keypad (unique)	A64TWY3	ineo+ 3351/C3851 and A3 devices IT5
FK-517 Fax Kit	AA1K021	ineo+ 3351
EK-P05 USB I/F kit	A9FWWYA	-
EK-P06 USB I/F kit	A9FRWYA	-
EK-P07 Local Interface Kit	A9M4WY2	ineo+ 3351/3851
UK-219 2 GB Memory Extension	AAU5WY1 (tbd)	-
LK-102v3 i-Option (PDF/A)	A0PDW26	Compatible for all devices supporting this feature (May 2018)
LK-106 i-Option (Barcode font)	A0PDW29	Compatible for all devices supporting this feature (May 2018)
LK-107 i-Option (Unicode font)	A0PDW2F	Compatible for all devices supporting this feature (May 2018)
LK-108 i-Option (OCR font)	A0PDW2G	Compatible for all devices supporting this feature (May 2018)
LK-111 i-Option (Thin Print)	A0PDW2K	Compatible for all devices supporting this feature (May 2018)
LK-114 i-Option (Serverless Pull Printing)	A0PDW2P	Compatible for all devices supporting this feature (May 2018)
LK-115v2 i-Option (TPM module)	A0PDW2V	Compatible for all devices supporting this feature (May 2018)
UK-216 Wireless LAN	AA1MWYA	-
AU-102 Biometric authentication	A0X9WY1	Compatible for all devices supporting this feature (May 2018)
CU-203 Air cleaning unit	AAU4W21	ineo 3602P/4402P/4702P ineo 3622/4422/4052/4752
SX-BR-4600 Wireless LAN	9967002640	Compatible for all devices supporting this feature (May 2018)

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Consumables	Article number	Compatibility
TNP64 Std. Toner	AAE10D1	ineo 4052/4752
TNP63 Use and Return Toner	AAE10D0	ineo 4052/4752
IUP33 Std. Imaging Unit	AAFW1Y1	ineo 4052/4752
IUP32 Use and Return Imaging Unit	AAFW1Y0	ineo 4052/4752
SK-501 Stapling Kit (Staples)	A6Y8WY1	ineo 4052/4752 ineo C3350/C3850/C3351/C3851/FS

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Documentation		
Face sheets	Article number	
en	9969385200	✓
de	9969385201	✓
fr	9969385202	✓
es	9969385203	✓
it	9969385204	✓
pt	9969385205	✓
nl	9969385206	✓
da	9969385207	✓
sv	9969385208	✓
no	9969385209	✓
fi	9969385210	✓
el	9969385211	✓
tr	9969385213	✓
cs	9969385215	✓
hu	9969385218	✓
pl	9969385221	✓
ro	9969385222	✓
ru	9969385223	✓
sk	9969385224	✓

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Legal Required Information (LRI)		Article numbers & Availability	
	en	4821475200	✓
	de	4821475201	✓
	fr	4821475202	✓
	es	4821475203	✓
	it	4821475204	✓
	pt	4821475205	✓
	nl	4821475206	✓
	da	4821475207	✓
	sv	4821475208	✓
	no	4821475209	✓
	fi	4821475210	✓
	el	4821475211	✓
	tr	4821475213	✓
	cs	4821475215	✓
	hu	4821475218	✓
	pl	4821475221	✓
	ro	4821475222	✓
	ru	4821475223	✓
	sk	4821475224	✓
User Guides		Contents	
	en	Advanced function	✓
	de	Applied functions	✓
	fr	Copy	✓
	it	Description of utility keys	✓
	es	Fax	✓
	nl	Introduction	✓
		Maintenance	✓
		Network fax	✓
		PC fax	✓
		Print	✓
		Scan	✓
Remarks	User Guides in other languages than English and German are part of the Driver DVD (PDF).		

Appendix

Finisher accessories & combination

Finisher	Accessories
Finisher FS-P02	SK-501 (Staples)

Paper weights and sizes to be used

Source	Capacity	Size	Weight (gsm)
Tray 1	550 sheets	A6 – A4	60 – 120
Tray 2 - 4	250/550 sheets	A5 – A4	60 – 120
Bypass	100 sheets	A6 – A4	60 – 216
Duplex	N/A	A4	60 – 90

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Develop applications	
IWS support	yes
Open API support	yes
Web browser	yes (standard, OFF by default)
Customised user interface support	yes (web browser has to be enabled)
Device Manager	yes
Enterprise Suite Plug-in	yes
e Account Manager	yes
Authentication Manager	yes
My Print Manager	yes
Direct Print	No
Data Administrator	yes
ineoPRINT	yes
Print Status Notifier	yes
ineoCare	yes (https, e-mail, fax)
Download Manager	No
Driver Packaging Utility	yes

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What is delivered with the machine?	
Automatic Document feeder	yes (DADF)
Manual bypass tray	yes
Duplex unit	yes
Standard paper cassette	yes (550-sheets tray)
Starter cartridge	yes (6000 sheets)
Std. memory	yes
Imaging Unit	yes (full)
HDD	yes
Legal Required Information (LRI)	yes (added in Europe)
Face sheets	yes (added in Europe)
Manual / Driver DVD	yes (added in Europe)
Power Cord	yes

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Service parts	
Description	Replacement life
Dust cover 550	n/a
DADF flatbed cushion	n/a
Standard pick 550	200k
DADF separator	200k
DADF pick	200k
550-sheet	n/a
250-sheet	n/a
250-sheet, options	n/a
550-sheet, options	n/a
550-sheet tray insert (Base machine)	n/a
Fuser, 110 V	200k
Fuser, 220 V	200k
Transfer Roll	200k

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Media support

Media Type and Weight (KM specification) Type / Weight	Standard Tray (550 sheets)	Bypass tray (100 sheets)	Extension tray (250 / 550 sheets)	ADU (Standard)	“Duplex 2nd side” Select (Bypass)
Plain paper 60 - 90 g/m2	Yes	Yes	Yes	Yes	Yes
Recycle paper 60 - 90 g/m2	Yes	Yes	Yes	Yes	Yes
Single side only paper 60 - 90 g/m2	Yes	Yes	Yes	-	-
Special paper 60 - 90 g/m2	Yes	Yes	Yes	-	-
Colored paper 60 - 90 g/m2	Yes	Yes	Yes	-	-
Thick paper 1 91 - 120 g/m2	Yes	Yes *2	Yes	-	Yes
Thick paper 1+ 121 - 157 g/m2	-	Yes *2	-	-	Yes
Thick paper 2 158 - 216 g/m2	-	Yes *2	-	-	Yes
Coated paper 1 100 - 120 g/m2	-	-	-	-	-
Coated paper 1+ 121 - 157 g/m2	-	-	-	-	-
Coated paper 2 158 g/m2	-	-	-	-	-
Envelopes	-	Yes *2	-	-	-
Label	Yes	Yes *3	Yes	-	-
Postcards	-	Yes	-	-	-
Letterhead 60 - 90 g/m2	Yes	Yes	-	-	-
User paper 1 60 - 90 g/m2	Yes	Yes	Yes	Yes	Yes
User paper 2 60 - 90 g/m2	Yes	Yes	Yes	Yes	Yes
User paper 3 91 - 120 g/m2	Yes	Yes *2	Yes	-	Yes
User paper 4 121 - 157 g/m2	-	Yes *2	-	-	Yes

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User paper 5 158 - 216 g/m2	-	Yes *2	-	-	Yes
User paper 6					

Media Sizes		Tray 1	Optional Tray	MPF	Duplex ⁷	Flatbed Scan/Copy	ADF
Standard Metric							
A6 (105 x 148 mm) ¹		•	X	•	X	•	•
A5 (148 x 210 mm) ²		•	•	•	X	•	•
A5 LEF (210 x 148 mm) ³		•	X	•	X	•	•
JIS B5 (182 x 257 mm)		•	•	•	X	•	•
A4 (210 x 297 mm)		•	•	•	•	•	•
Officio (216 x 340 mm)		•	•	•	•	•	•
Hagaki (100 x 148 mm)		X	X	•	X	•	X
Standard English							
Business Card (2 x 3-1/2 in)		X	X	X	X	•	X
Statement (5-1/2 x 8-1/2 in)		•	•	•	X	•	•
Executive (7-1/4 x 10-1/2 in)		•	•	•	X	•	•
Letter (8-1/2 x 11 in)		•	•	•	•	•	•
Folio (8-1/2 x 13 in)		•	•	•	•	•	•
Legal (8-1/2 x 14 in)		•	•	•	•	•	•
Universal [min] ⁴	Metric	105 x 148 mm	148 x 210 mm	76.2 x 127 mm	X	N/A	105 x 105 mm
	English	4.13 x 5.83 in	5.83 x 8.27 in	3 x 5 in	X	N/A	4.13 x 4.13 in
Universal [max] ⁴	Metric	216 x 356 mm	216 x 356 mm	216 x 356 mm	X	216 x 297 mm (A4) 216 x 356 mm (LGL)	216 x 356 mm
	English	8-1/2 x 14 in	8-1/2 x 14 in	8-1/2 x 14 in	X	8-1/2 x 11.69 mm (A4) 8-1/2 x 14 in (LGL)	8-1/2 x 14 in
Metric Envelopes⁵							
DL (110 x 220 mm)		X	X	•	X	•	X
C5 (162 x 229 mm)		X	X	•	X	•	X
B5 (176 x 250 mm)		X	X	•	X	•	X
English Envelopes⁵							
7-3/4 (3-7/8 x 7-1/2 in)		X	X	•	X	•	X
#9 (3-7/8 x 8-7/8 in)		X	X	•	X	•	X
#10 (4-1/8 x 9-1/2 in)		X	X	•	X	•	X
Other	Metric	X	X	X	X	N/A	X

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Envelope e ⁶ [min]	English	X	X	X	X	N/A	X
Other Envelope e ⁶ [max]	Metric	X	X	X	X	216 x 297 mm (A4) 216 x 356 mm (LGL)	X
	English	X	X	8-1/2 x 14 in	X	8-1/2 x 11.69 mm (A4) 8-1/2 x 14 in (LGL)	X
<p>1. Short grain and Long grain A6 is supported</p> <p>2. Standard A5 tray stops are for Short Edge Fed (SEF) direction</p> <p>3. A5 LEF (Long Edge Fed) media orientation must be switched from A5 SEF through Configuration Menu</p> <p>4. If Universal size is larger than physical size of paper inserted in tray, "Too Short Paper" IR message is displayed. If Universal size is smaller than physical size of paper inserted in tray, resulting output can be cropped.</p> <p>5. Use envelopes that lay flat when individually placed on a table face-down. The distance of any edge or corner from the table should be less than 3 mm.</p> <p>6. Other Envelope uses width and height dimensions of Universal size</p> <p>7. Manual Duplex is supported in the driver. Sheet is fed by the customer one side at a time from any Input Source. Any size media supported by an Input Source can be manually duplexed. Does not apply to Transparencies or Envelopes.</p> <p>Note: • - Supported X – Not Supported</p>							

Input/Output Media Capabilities:

Paper Types	Tray 1	Optional Tray	MPF	Duplex	Flatbed Scan/Copy	ADF
Plain Paper	•	•	•	•	•	•
Card Stock	X	X	•	X	•	X
Transparency	•	X	•	X	•	X
Recycled	•	•	•	•	•	•
Labels (Paper)	•	•	•	X	•	X
Bond	•	•	•	•	•	•
Letterhead	•	•	•	•	•	•
Preprinted	•	•	•	•	•	•
Colored Paper	•	•	•	•	•	•
Light Paper	•	•	•	•	•	•
Heavy Paper	•	•	•	•	•	•
Rough/Cotton	•	•	•	•	•	•
Envelope	X	X	•	X	•	X
Rough Envelope	X	X	•	X	•	X

Note: • - Supported X – Not Supported

Media Size Sensing

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Sensing Function	Kronos 1 mfp	Kronos 2 mfp
Tray Present	✓	✓
Paper Present	✓	✓
ACM Trailing Edge Detection	✓	✓
Input	✓	✓
MPF Paper Present	✓	✓
Manual Feed		
Paper Low		
Paper Size		
Bin Full (A4, LTR, LGL)	✓	✓
Narrow Media	✓	✓
Option Tray Present	✓	✓

Paper

Follow the media guidelines below for successful printing:

Rough, highly textured, limp, or pre-curved papers will result in lower print quality and more frequent paper feed failures.

Colored papers must be able to withstand 220°C (446 °F) fusing temperature.

Preprinted forms and letterheads should be selected using guidelines found in the User's Guide. The chemical process used in preprinting may render some papers unsuitable for use with the Develop Kronos S MFP Series.

The following paper types are not recommended for use with the printer:

- Chemically treated papers used to make copies without carbon paper, also known as carbonless papers, carbonless copy paper (CCP), or no carbon required (NCR) paper
- Preprinted papers with chemicals that may contaminate the printer
- Preprinted papers that can be affected by the temperature in the printer fuser
- Preprinted papers that require a registration (the precise print location on the page) greater than ± 2.3 mm (± 0.09 in.), such as optical character recognition (OCR) forms. In some cases, registration can be adjusted with a software application to successfully print on these forms.
- Coated papers (erasable bond), synthetic papers, thermal papers
- Rough-edged, rough or heavily textured surface papers, or curled papers
- Recycled papers that fail EN12281:2002 (European).
- Paper weighing less than 60 g/m² (16 lb.)
- Multiple-part forms or documents

Envelopes

If envelope wrinkling occurs refer to the User's Guide for correct loading and stacking of envelopes.

All envelopes should be new, unused, and without package damage.

Envelopes with excessive curl or twist exceeding 6.0 mm, those stuck together, those with bent corners or nicked edges, or those that interlock should not be used.

Minimum weight: 75 g/m² (20lb.)

The following envelopes should not be used:

- Envelopes with windows, holes, perforations, cutouts, or deep embossing
- Envelopes with metal clasps, string ties, or metal folding bars
- Envelopes with exposed flap adhesive when the flap is in the closed position

For best results, printing on new 90 g/m² (24 lb.) sulfite or 25% cotton bond envelopes is recommended

Under high humidity conditions (over 60%) the envelopes may seal during printing

Transparencies

- Use letter or A4-size sheets only.
- Many Transparencies specifically designed for xerographic copy machines or electrophotographic Printers and MFPs may be used with the Develop Kronos S MFP Series MFPs.
- Note: Do Not Use Ink Jet transparencies!
- Single-sided transparencies designed for color electrophotographic printers and MFPs may not work well. See Ordering Information for recommended part numbers.
Verify Transparencies are only pulled from trays rated for that media.

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Recycled Paper

As an environmentally conscious company, Lexmark supports the use of recycled office paper produced specifically for use in electrophotographic printers. World-wide recycled papers (including 100% Post Consumer Waste) are consistently used in Lexmark printer testing, using chamber tests, using chamber tests for different temperature and humidity conditions. Lexmark has found no reason to discourage the use of today's recycled office papers, but generally the following property guidelines apply to recycled paper.

- Low moisture content (4-5%)
- Suitable smoothness (100-200 Sheffield units)
- Suitable sheet-to-sheet coefficient of friction (0.4-0.6)
- Sufficient bending resistance in the direction of feed

Recycled paper, paper of lower weight (<60 gm² / 16 lb. bond) and/or lower caliper (<3.8 mils / 0.1 mm), and paper that is cut grain-short for portrait (or short-edge) fed printers may have lower bending resistance than is required for reliable paper feeding. Before using these types of paper for electrophotographic printing, consult your paper supplier. There are many other factors to consider, and these guidelines do not ensure success, but can provide a basis for speaking with your paper supplier.

Usage Guidelines for the Scanner Document Feeder

Your automatic document feeder is designed to handle most paper types. However, the following cannot be properly fed by the automatic document feeder:

- Paper with clip or staple attached
- Paper with ink not totally dry
- Paper with inconsistent thickness, such as envelopes
- Paper with wrinkles, curls, folds or tears
- Tracing paper, coated paper, some carbonless paper
- Paper that is too large or too small (use flatbed instead)
- Items other than papers, such as cloth, metal or OHP film
- Notched paper
- Paper with an odd (non-rectangular) shape
- Photographic paper
- Paper with perforations on its side
- Very thin paper

Network capabilities
Network protocols

Category	Protocol Type	Supported	Remarks
Print Protocol	IPX/SPX	--	
	Netware		
	TCP/IP	Yes	Print function is not supported for TCP/IPv4 as well as for SMB, SMTP, IPFax(T.38) via TCP/IPv4.
	LPD	Yes	
	FTP	Yes	Depending on FTP Client functionality, print function may not be supported.
	Internet Printing Protocol (IPP)	Yes	
	POP3	Yes	
	IFAX	Yes	
	SMTP	Yes	
	RAW port	Yes	Multi-port print is supported, but in practice only one port can be used.
	HTTP	Yes	
	SMB	Yes	Support SMB3.0
	Web Services on Devices	Yes	
	IPFax	Yes	
	T.38	--	
ThinPrint	Yes		
AppleTalk	--		
NetBEUI	--		
Scan Protocol	TCP/IP	Yes	Scan function is not supported for TCP/IPv4 as well as for SMB, SMTP, IPFax(T.38) via TCP/IPv4.
	FTP	Yes	
	SMTP	Yes	
	IFAX	Yes	
	SMB	Yes	Support SMB3.0
	HTTP	Yes	WebDAV server is not supported.
	Web Services on Devices	Yes	Distributed Scan function is not supported.
	Publication Service	--	
	IPFax	Yes	
T.38	--		

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Category	Protocol Type	Supported	Remarks	
Management Protocol	IPX/SPX NetWare	--		
		Pconsole	--	
		NwAdmin	--	
		SNMPv1	--	
	TCP/IP		Yes	
		ARP, ICMP	Yes	
		DHCP	Yes	
		DHCPv6	Yes	
		BOOTP	Yes	
		AutoIP	Yes	
		IPv4 address duplication detection	Yes	
		IPv6 address assignment	Yes	
		IPv6 address duplication detection	Yes	
		SLP	Yes	
		SNMP	Yes	
		Telnet	--	
		HTTP	Yes	
		Internet Printing Protocol (IPP)	Yes	
		DNS	Yes	
		LLMNR	Yes	
SNTP	Yes			
Bonjour	Yes			
Dynamic DNS	Yes			
IPsec	Yes			
Web Services on Devices Device Detection	Yes			
AppleTalk	--			
NetBEUI	--			
LLTD	Yes			
Management Info	MIB	Yes		
	HTML / XML	Yes		
	IPP attribute	Yes		
Other	SSL	Yes		
	Certificate Verification	Yes		
	LDAP	Yes		
	User Authentication	Yes		
	MFP I/F	Yes		
	WebDAV	Yes		
	IP Filtering	Yes		
	S/MIME	Yes		

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Category	Protocol Type	Supported	Remarks
	General Purpose socket	Yes	
	Download	--	
	Local I/F	Yes	USB is supported. IEEE1284 is not supported.
	BMLinks I/F	--	
	IEEE802.1X	Yes	
	Bluetooth I/F	--	
	USB TWAIN I/F	--	
	Single sign on	GSS-API	Yes
	Packet capture function	--	
	FIPS function	FIPS function outline	Yes
		FIPS targeted functions	Yes
	Encrypt algorithm HW	Encryption algorithm HW Overview	--
		H/W-S/W Switch mode setting	--
	Dual IF	Yes	Wired and Wireless => Dual IF
	SIP	--	

Wireless Support

Wireless Support	Kronos S1 MFP Kronos S2 MFP	(Reference) MX622
802.11 b/g/n/a/ac	Yes	Wireless Mode Only
802.11 n (75mbps)	Yes	Wireless Mode Only
Ad-Hoc (IBSS) Mode	No	Wireless Mode Only
Infrastructure (BSS) Mode	No	Wireless Mode Only
WEP Encryption (64 & 128 bit keys)	Yes	Wireless Mode Only
WPA Personal TKIP PSK (63 char, 64 ASCII)	No	Wireless Mode Only
WPA Enterprise	Yes	Wireless Mode Only
WPA2-Personal	Yes	Wireless Mode Only
WPA2-Enterprise	Yes	Wireless Mode Only
802.1x	Yes	Wireless Mode Only
EAP-MD5	No	Wireless Mode Only
EAP-MSCHAPv2	No	Wireless Mode Only
EAP-TLS	Yes	Wireless Mode Only
EAP-TTLS (CHAP/MSCHAP/MSCHAPv2/PAP)	Yes	Wireless Mode Only
LEAP	No	Wireless Mode Only
PEAP	Yes	Wireless Mode Only
Legacy Support		
Netware	No	-
AppleTalk	No	X

Stapler Option

This stapler output option is a compact, modular, finishing solution. It offers single-position stapling for A4, letter, legal, Folio and Oficio paper sizes, stapling from 2 sheets to 20 sheets per set (20 lb., 75 g/m²). The stapler paper path is designed to handle media weight from 16lb to 24 lb. If 24 lb papers are stapled, the maximum sheets of stapled job may be less than 20 sheets. This stapler has staple low/empty sensor to indicate when the staple supply is low as well as when staples run out. The staple cartridge contains 1,000 staples. Refill staple cartridges are available in package of 5 cartridges. The stapler option does not have a dedicated output bin, it shares the same output bin as the base printer. The stapler has a unique paper path design, and its key mechanism is located on the back side of printer. The stapler has its own power supply which is designed to be customer installable. The stapler output option can only be installed on the Develop Kronos S mfp.

www.develop.eu

Note!

Since changes in technical features are the order of the day in the world of digital copiers and printing technology, please note that the technical data provided in this material was issued in March 2018. We reserve the right to make changes to the technical design. Specifications refer to maximum performance under standard conditions. No guarantee is provided in relation to any of the data supplied.

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