



KONICA MINOLTA

# COMPETITIVE ENCOUNTER

**bizhub i-SERIES**  
**C451i/ C551i/ C651i**

June 2024 version: 1.0

**bizhub**  
**i-SERIES IS**  
**SMARTER**  
**WORKING**  
**RETHINK IT**



Giving Shape to Ideas

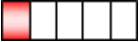




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## Introduction

With the “Competitive Encounter” for the bizhub C451i, C551i and C651i sales representatives will get a helpful tool pointing out outstanding strengths to show the competitiveness of this new colour device.

The specifications are weighted against each other and marked with traffic lights to indicate the weaknesses and disadvantages but also to be prepared for existing advantages or special highlights of a competitor’s system.

-  very poor / no support (of specification)
-  poor support
-  average support
-  good support
-  very good / full support



All judgements are based upon the current state-of-the-art in colour MFP market (segment 4).

### **bizhub C451i / C551i / C651i**

#### **Colour A3 multifunctional**



## Canon iR ADV DX C5840i/ C5850i/ C5860i/ C5870i

### Speed Adv DX C5840i / DX C5850i

A4 colour/BW: 40/40 ppm / 50/50 ppm

A3 colour/BW: 22/22 ppm / 27/27 ppm

### Speed Adv DX C5860i / DX C5870i

A4 colour/BW: 60/60 ppm / 70/70 ppm

A3 colour/BW: 32/32 ppm / 36/36 ppm

### iR Adv DX C5800 series (40 to 70ppm)

launched February 2021

Successor of iR Adv DX C5700 series

and DX C5870i model is also the successor of  
iR Adv DX C7765 and DX C7770 !














































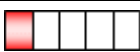


### Highlights / Advantages

- Tablet like keyless 10.1" multi-touch display; Main and Express menu and integrated timeline + indicator LED lights
- Firmware platform: Std. SIEM + BIOS Boot secure, Forced hold print, new IRIS OCR + McAfee emb. Control + TLS 1.3
- Std. 5GB RAM and 256GB SSD; Opt. second 256GB or 1TB SSD mirroring and removable SSD kits
- Fast WUT (from Off mode) – 6sec. to Copy Ready (not Print reservation/ this takes longer)
- EnergyStar TEC 3.1: 0,48 / 0,58 / 0,71 / 0,87 kWh/week
- AB1 external finisher types with std. extra manual stapling feature and enhanced 8-pages 'Eco staple' stapleless stapling
- Optional ImagePass R1 Fiery print controller; Extended Cloud connectivity + re-usable formats; std. uniflow Online Express
- Standard true Adobe Postscript support; Std. searchable PDF/XPS and OOXML scan format (OCR)
- Std. 200sheets 1PASS DSPF C1 doc feeder type – scan speed simplex 135ipm and duplex up to 270ipm (300dpi)
- Std. DSPF ultrasonic multi-feed detection sensor and anti-streak original scan glass technology
- Std. WiFi / Wlan ; Opt. NFC and BluetoothLE mobile print features; Paper weight auto duplex up to 256 g/m<sup>2</sup>
- Std. (26k) or high toner yield (High: CMY 60k, K 71k); High drum yield (CMYK 386k);
- Optional Voice Guidance/ Operation kit available; Std. front motion detection sensor (wake up from sleep)

### Disadvantages

- No IWS or MarketPlace app comparable support for individual UI customisation and personalisation
- High security level but nothing available like Bitdefender real-time virus scan support
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Max. paper capacity 6350 sheets; SRA3 paper format only via Bypass tray
- No finisher Letter/Tri-C-fold support with external booklet finisher model; No optional Z-fold finishing unit supported
- No optional UFP filter support to minimize emissions; No 2-tray Post-Insertor support
- WiFi Direct support but no real embedded WiFi AP router mode to be separated from customer network
- Remote panel operator SW optional; No CSRC remote service or WW Remote Service platform support
- No std. PPML variable data support (only with optional Fiery controller)
- Only shared performance with Dual Core 1.75GHz CPU

Why is the  
**bizhub C651i**  
a better solution?

bizhub C651i		Canon iR Adv C5860i	
	10.1" hard key less multi-touch 'tablet like' UI	10.1" hard key less multi-touch tablet like UI	
	Std. DSPF ultrasonic doublefeed detection sensor	Std. DSPF ultrasonic doublefeed detection sensor	
	High performance Quad Core 1.6GHz CPU	Dual Core 1.75GHz CPU	
	Auto Duplex A5-SRA3 up to 256 g/m <sup>2</sup>	Auto Duplex A5-A3+ up to 256g/m <sup>2</sup>	
	SRA3 via paper tray, Bypass and Duplex	SRA3 only via Bypass tray supported	
	Std. NFC pairing and authentication support	Opt. NFC pairing / no NFC authentication	
	Opt. WiFi AP and WiFi Direct for Mobile print	Std. WiFi / WiFi Direct but no real WiFi AP	
	Std. 8GB RAM and 256GB SSD / opt. 1TB SSD	Std. 5GB RAM and 256GB SSD / opt. 1TB SSD	
	300sheets DSPF simplex 140ipm / duplex 280ipm	200sheets DSPF simplex 135ipm / duplex 270ipm	
	Std. OpenAPI, IWS + WebBrowser	Std. MEAP open platform , WebBrowser	
	IWS customisation + KM Marketplace apps	Individual customisation but no direct app support	
	DIN A6 + Banner paper support (297x1200 mm)	DIN A6 + Banner paper support	
	Opt. unique auto paper weight detection sensor	Not supported	
	Std. Letter/Tri-fold with booklet finisher	Not supported	
	Optional 2tray Post Inserter + emb. Z-fold unit	Both not supported	
	Std. highest data security incl. HCD-PP	Std. high data security incl. CC 15408	
	Unique Bitdefender real time virus scan (option)	Not supported (but emb. McAfee / Whitelisting)	
	Std. PPML (VDP) variable data support	Only with optional Fiery controller	
	Scan to box (HDD) / 1000 user	Scan to Mailbox / max. 100 user	
	OOXML print & scan support (docx,xlsx,pptx)	OOXML (pptx, docx) scan support	
	Developer yield CMYK 1.000k	Developer yield CMYK 720k	
	Fusing unit yield 800k	Fusing unit yield 400k	
	Opt. UFP cleaning filter to minimize emissions	Not supported	

## Ricoh IM C4500 / IM C5500 / IM C6000 SP / ASP **EOS!**

### Speed IM C4500SP / ASP

A4 colour/BW: 45/45 ppm

A3 colour/BW: na/na ppm

### Speed IM C5500SP / ASP

A4 colour/BW: 55/55 ppm

A3 colour/BW: na/na ppm

### Speed IM C6000ASP

A4 colour/BW: 60/60 ppm

A3 colour/BW: na/na ppm



**discontinued 05/2023**






























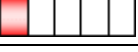












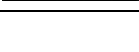
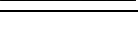


### Highlights / Advantages

- Structured FW platform with enhanced cloud based platform, Workflow solutions (scalable) and webbased support
- 'Always current technology' to activate new features, apps and firmware updates to be always up to date
- Improved V2.5 SOP UI (modernized Homescreen); Faster 10.1" Android 6 based smart operation panel with std. WebBrowser
- Enhanced Direct Application Suite app support via User Interface
- MFP controller Quad Core 1.6GHz CPU
- WUT – 21 seconds / ES 3.1 TEC 0,51 / 0,64 / 0,76 kWh/week / Sleep Mode 0,6 Watt
- Std. 220sheets DSPF (ASP model) or std. 100sheets RADF (SP model) document feeder
- DSPF scan speed up to 120ipm simplex / 240 ipm duplex + optional ultrasonic double feed detection sensor (Page Keeper)
- External 1000sheet hybrid finisher type with 'stapleless' stapler (up to max. 5 pages) and normal stapler (up to 50sheets)
- Internal FD3010 multi-fold unit (half-fold, center-fold, z-fold) to enhance functionality for the external booklet finisher type
- FD3010 multi-fold unit can be used independently or as bridge-unit for the external finisher types

### Disadvantages

- Std. 320GB HDD (rotating hard disc drive) vs. std. much faster 250GB or 1TB SSD (Solid State Drive) of bizhub i-Series
- Ultrasonic double feed detection sensor is always an option
- Paper capacity max. 4700 sheets
- Developer yield CMY only 160k (K 600k)
- SRA3 support optional via bypass tray (but optional 'Image area extension unit' required)
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- No letter fold/ Tri fold support with optional booklet finisher type; No opt. 2try Post Inserter supported
- No OOXML (pptx, xlsx, docx) scan/ print support; Encrypted PDF not supported
- Enhanced Common Criteria 15408 HDD certified Security kit optional
- High standard and optional security level but nothing available like Bitdefender real-time virus scan support
- True Adobe Postscript 3 and PDF Direct Print kit optional; XPS direct print optional
- WiFi Direct via Android panel but no WiFi AP (Access Point) mode available; NFC authentication and pairing optional
- Only 50sheets staple or booklet finisher available
- No optional UFP cleaning filter support to minimize emissions

Why is the  
**bizhub C451i**  
a better solution?

bizhub C451i		Ricoh IM C4500SP/ ASP	
	Max. paper capacity 6650 sheets	Max. paper capacity 4700 sheets	
	WUT 13sec / ES 3.1 TEC 0,57 kWh/ Sleep 0,4 W	WUT 21sec./ ES 3.1 TEC 0,51kWh / Sleep 0,4 W	
	10.1" UI, std. OpenAPI, IWS + WebBrowser	10.1" UI, std. ESP, Android + Apps + WebBrowser	
	Opt. WiFi AP and WiFi Direct for Mobile print	No WiFi AP but WiFi Direct for Mobile print	
	Std. 8GB RAM and 256GB SSD (Solid state drive)	Std. 2GB / 320GB HDD (max. 4GB RAM)	
	300sheets DSPF simplex 140ipm / duplex 280ipm	220sheets DSPF simplex 120ipm / duplex 240ipm	
	Std. DSPF ultrasonic doublefeed detection sensor	Opt. DSPF ultrasonic doublefeed detection sensor	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. encrypted PDF scan format	Not supported	
	Std. OOXML (docx, xlsx, pptx) direct print	Not supported	
	Full OOXML (pptx, docx, xlsx) scan support	Not supported	
	Std. unique auto paper weight detection sensor	Not supported – manual paper weight setting	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 60 orig. / 15 sheets	
	Letter/ Tri-fold / C-fold finishing + opt. Z-fold unit	With optional multi-fold unit + external finisher	
	Std. highest data security incl. HCD-PP	Certified Common criteria kit CC 15408 optional	
	Optional 2tray Post Inserter support	Not supported	
	50 or 100sheets stapler with ext. finisher types	Max. 50sheets stapler with ext. finisher types	
	Dynamic ECO Timer + Eco Meter indicator	Std. weekly timer + Eco Meter Indicator	
	Std. PPML (variable data print - VDP)	Not supported (only with opt. Fiery controller)	
	Fusing unit yield 800k	Fusing unit yield 200k	
	Opt. Fax G3 up to 600x600dpi resolution	Opt. Fax G3 200dpi / with opt. RAM 400dpi	
	Developer yield CMYK 1.000k	Developer yield CMY 160k, K 600k	
	Toner exchange "On the fly"	System stop for toner exchange	

## Ricoh IM C4510/ A / IM C5510/ A / IM C6010 / C7010

### Speed IM C4510S/ A

A4 colour/BW: 45/45 ppm

A3 colour/BW: na/na ppm

### Speed IM C5510/ A

A4 colour/BW: 55/55 ppm

A3 colour/BW: na/na ppm

### Speed IM C6010/ A

A4 colour/BW: 60/60 ppm

A3 colour/BW: na/na ppm



Launched May 2023






























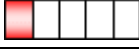













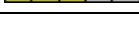


### Highlights / Advantages

- Structured FW platform with enhanced cloud based platform, new workflow solutions (scalable) and webbased support
- 'Always current technology' to activate new features, apps and firmware updates to be always up to date
- Improved V2.5 SOP UI; Faster 10.1" Android 10 based capacitive smart operation panel with std. WebBrowser
- Enhanced Direct Application Suite app support via User Interface; Toner yield CMY 28k, K 42k
- Std. 8GB RAM + 256GB **SSD**, optional 1TB **SSD** or 320GB HDD; MFP controller Quad Core 1.6GHz CPU
- WUT – 23 seconds / ES 3.1 TEC 0,45 / 0,62 / 0,67 / 0,81 kWh/week / Sleep Mode 0,4 Watt
- Std. 220sheets DSPF dual scan (A model) or std. 100sheets RADF (non A model) reverse document feeder
- DSPF scan speed up to 150ipm simplex / 300 ipm duplex + optional ultrasonic double feed detection sensor (Page Keeper)
- External 1000sheet hybrid finisher type with 'stapleless' stapler (up to max. 5 pages) and normal stapler (up to 50sheets)
- Internal FD3010 multi-fold unit (half-fold, center-fold, z-fold) to enhance functionality for the external booklet finisher type
- FD3010 multi-fold unit can be used independently or as bridge-unit for the external finisher types

### Disadvantages

- Ultrasonic double feed detection sensor (Page Keeper) is always an option
- Paper capacity max. 4700 sheets; optional external 1650sheets LCT paper tray only for A4 paper format
- Developer yield CMY only 160k (K 600k)
- SRA3 support via std. paper tray and bypass tray - but for full bleed print format optional 'Image area extension unit' required
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- No standard letter fold/ Tri fold support with optional booklet finisher type; No opt. 2tray Post Inserter supported
- No OOXML (pptx, xlsx, docx) scan/ print support;
- Enhanced Common Criteria 15408 certified Security SSD kit always optional
- High standard and optional security level but nothing available like Bitdefender real-time virus scan support
- True Adobe Postscript 3 and PDF Direct Print kit optional; XPS direct print optional
- WiFi Direct via Android panel but no WiFi AP (Access Point) mode available; NFC authentication and pairing optional
- Max. 50sheets (100sheet finisher) or 65sheets (3000sheet finisher) stapling capacity with staple or booklet finisher available
- No optional UFP cleaning filter support to minimize emissions

Why is the  
**bizhub C551i**  
a better solution?

bizhub C551i		Ricoh IM C5510/ A	
	Max. paper capacity 6650 sheets	Max. paper capacity 4700 sheets	
	WUT 15sec / ES 3.1 TEC 0,74 kWh/ Sleep 0,4 W	WUT 23sec./ ES 3.1 TEC 0,62kWh / Sleep 0,6 W	
	10.1" UI, std. OpenAPI, IWS + WebBrowser	10.1" UI, std. ESP, Android + Apps + WebBrowser	
	Opt. WiFi AP and WiFi Direct for Mobile print	No WiFi AP but WiFi Direct for Mobile print	
	Std. 8GB RAM and 256GB SSD; opt. 1TB SSD	Std. 8GB RAM and 256GB SSD; opt. 1TB SSD	
	Std. DSPF ultrasonic doublefeed detection sensor	Opt. DSPF ultrasonic doublefeed detection sensor	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. unique auto paper weight detection sensor	Not supported – manual paper weight setting	
	Std. OOXML (docx, xlsx, pptx) direct print	Not supported	
	Full OOXML (pptx, docx, xlsx) scan support	Not supported	
	Std. SRA3 full bleed simplex/duplex print format	Full bleed w. optional 'Imageable area extension'	
	Opt. 2500 or 3000sheets LCT for A4 up to SRA3	Opt. 1650sheets LCT for A4 paper format only	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 80 orig. / 20 sheets	
	Letter/ Tri-fold / C-fold finishing + opt. Z-fold unit	With optional multi-fold unit + external finisher	
	Std. highest data security incl. HCD-PP	Certified Common criteria kit CC 15408 optional	
	Optional 2tray Post Inserter support	Not supported	
	50 or 100sheets stapler with ext. finisher types	Only 50 or 65sheets stapler with ext. finisher types	
	Dynamic ECO Timer + Eco Meter indicator	Std. weekly timer + Eco Meter Indicator	
	Std. PPML (variable data print - VDP)	Not supported (only with opt. Fiery controller)	
	Fusing unit yield 800k	Fusing unit yield 200k	
	Opt. Fax G3 up to 600x600dpi resolution	Opt. Fax G3 200dpi / with opt. RAM 400dpi	
	Developer yield CMYK 1.000k	Developer yield CMY 200k, K 600k	
	Toner exchange "On the fly"	System stop for toner exchange	

## Xerox AltaLink C8145 / C8155 / C8170

**Speed AltaLink C8145 / C8155:**  
A4 colour/BW: 45/45 ppm / 55/55 ppm  
A3 colour/BW: 23/23 ppm / 27/27 ppm

**Speed AltaLink C8170:**  
A4 colour/BW: 70/70 ppm  
A3 colour/BW: 35/35 ppm

**Launched 09/2020**

**New faster DSPF doc feeder  
only for high speed model C8170 !**

**LED Print Head technology! (no laser)**




















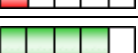





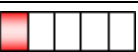



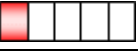


















### Highlights / Advantages

- ConnectKey with security 'Watchdog' functionality (protected from unauthorized interference)
- Post-network update: McAfee® ePolicy Orchestrator®, McAfee Enterprise Security Manager3, LogRhythm + Splunk SIEM3
- High beam LED technology instead of Laser; Remote control panel access
- Standard PDF/A-1b, XPS, searchable PDF (OCR), linearised PDF and encrypted PDF scan format support
- **Only for AltaLink C8170** std. 8 GB RAM and 250 sheet DSPF document feeder w. simplex 135ipm / duplex up to 270ipm
- 10.1" UI and Xerox ConnectKey controller with App Gallery support and enhanced adaptive learning features
- Std. McAfee Embedded Control Whitelisting security, TPM + optional McAfee Integrity Control, McAfee ePolicy
- Std. 128GB SSD or opt. 500GB HDD (rotating)with CC 15408 system certification; 1.9GHz Intel Atom Quad core CPU
- Office , BR Business + BR Booklet finisher types with optional C-fold/ Z-fold unit; Banner paper support (320x1320mm)
- Mobile print support: AirPrint, Mopria, opt. Wlan and WiFi Direct (USB) and NFC pairing; Motion detection sensor
- Paperweight all paper trays 52 – 300g/m<sup>2</sup>; Print resolution up to 1200 x 2400dpi; Std. true Adobe Postscript support

### Disadvantages

- Std. only 4GB RAM and 128GB SSD vs. std. 8GB RAM and 256 GB SSD (Solid State Drive) opt. 1TB SSD of bizhub i-Series
- Std. 130sheet DSPF Document feeder scan speed: simplex 82ipm; duplex 141ipm (only C8170 DSPF up to 270ipm)
- Long WUT - 85 seconds from Off mode (Main switch) / Sleep mode power consumption 0,8 Watt
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- Nothing available like Bitdefender real-time virus scan support (McAfee security is for Whitelisting)
- DSPF ultrasonic double feed detection sensor is not supported
- No OOXML (PPTX, DOCX, XLSX) scan format / No OOXML Direct print support
- Max. 50sheets staple or booklet finisher; No Post Inserter available; LCT/ large capacity tray only for A4 paper format
- Office finisher type with opt. Booklet maker only with crease/score saddle stitch (real V-folding only with BR finisher type)
- Letter/ Tri-fold / C-fold finishing requires extra space/ footprint with an extra optional Z-fold / C-fold unit
- BR Booklet finisher saddle stitch max 64originals/ 16 sheets
- No optional UFP cleaning filter support to minimize emissions; Lower consumable yields (drum, developer, fusing unit)

Why is the  
**bizhub C451i / C551i**  
a better solution?

bizhub C451i / C551i		AltaLink C8145/ C8155	
	WUT – 15 seconds; Sleep mode 0,5 Watt	WUT – 85 seconds; Sleep mode 0,8 Watt	
	Std. unique auto paper weight detection sensor	Not supported – manual paper weight setting	
	Up to 100% Print and Copy duplex productivity	Only 60% Copy and 70% Print duplex productivity	
	Opt. WiFi AP and WiFi Direct for Mobile print	Opt. Wlan/ WiFi Direct via USB / No WiFi AP	
	Std. NFC authentication and pairing	NFC pairing; No NFC authentication	
	Max. paper capacity 6650 sheets	Max. paper capacity 6140 sheets	
	Opt. A4 or A3/SRA3 LCT (large capacity trays)	Only 3000 sheet A4 LCT tray supported	
	300sheets DSPF simplex 140ipm / duplex 280ipm	130sheets DSPF simplex 82ipm / duplex 141ipm	
	Std. DSPF ultrasonic doublefeed detection sensor	Not supported	
	Unique Bitdefender real time virus scan (option)	McAfee security (different approach/ Whitelisting)	
	Std. 8GB RAM and 256GB SSD / opt. 1TB SSD	Std. 4GB RAM and 128GB SSD/ opt. 500GB HDD	
	Toner exchange “On the fly”	System stop for toner exchange	
	Optional 2tray Post Inserter support	Not supported	
	50 or 100sheets stapler with ext. finisher types	Max. 50sheets stapler with ext. finisher types	
	OOXML (pptx, docx, xlsx) scan + Direct print	Not supported	
	Std. Tri-fold/ C-fold w. booklet finisher + opt. Z-fold	Only w. add. opt. C-fold/ Z-fold unit + BR finisher	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 64 orig. / 16 sheets	
	Dynamic ECO Timer / Eco Meter indicator	Not supported (only std. weekly timer)	
	Fusing unit yield – 1.000k (C451i : 800k)	Fusing unit yield 200k	
	Developer yield CMYK – 1.000k	Print cartridges (Drum/Dev IU) CMYK 180k	
	Drum yield CMY 165k, K 240k	Print cartridges (Drum/Dev IU) CMYK 180k	
	Opt. Copy Guard / Password copy security	Not supported	
	Std. PPML variable data (VDP) support	Only with optional Fiery controller	

## Kyocera TASKalfa 4054ci / 5054ci / 6054ci

### Speed TASKalfa 4054ci:

A4 colour/BW: 40/40 ppm

A3 colour/BW: 20/20 ppm

### Speed TASKalfa 5054ci / 6054ci:

A4 colour/BW: 50/50 / 60/60 ppm

A3 colour/BW: 25/25 / 30/30 ppm

### Launched September 2021

Called: **Kyocera Evolution Series**

Successor of TASKalfa 6053ci series



Opt. Z-fold unit ZF-7100 (only 6054ci)
























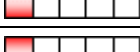









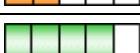



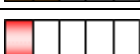








### Highlights / Advantages

- Enhanced built in Security (HDD data security ISO 15408 EAL2/ IEE2600.2, SIEM, TPM, Secure Boot, Run Time Integrity)
- Standard full system speed 1200 x 1200dpi (2Bit) print resolution
- Improved opt. DP-7160 320sheet DSPF up to duplex 200 ipm / DP-7170 with std. ultrasonic double-feed detection sensor
- Completely new designed and structured 'tablet like' 10.1" keyless User Interface with optional number keypad
- 1,6GHz Quad Core CPU; Std. NFC support, optional WiFi lan and Wi-Fi Direct support
- 7-bin Mailbox sorter available / Booklet finisher with Letter/ C-fold support
- A6R to SRA3 and Banner paper (305x1220mm) support / Bypass tray up to 300g/m<sup>2</sup>
- Inner staple finisher type supported (+ optional punch unit)
- Drum yield CMYK 600k (A-Si drum type); Paper capacity up to 7150 sheets;
- **Only 6064ci:** New external Z-fold option (ZF-7100) and 2tray Post inserter (IS-7100) option

### Disadvantages

- 320GB or 1TB HDD (rotating type) always optional - std. only 64GB SSD and max. 4GB RAM
- Nothing available like Bitdefender real-time virus scan support
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Nothing comparable to MarketPlace direct app support or support for individual or personalized panel customisation
- OOXML (pptx, xlsx, docx) scan format support only with optional Scan Extension kit (A)
- No OOXML (pptx, xlsx, docx) direct print support (only PDF / XPS)
- Optional Z-fold unit and optional Post Inserter not supported together with 4054ci and 5054ci
- External Z-fold unit and Post Inserter for 6054ci require extra footprint; Z-fold unit + Post Inserter cannot configure together!
- No UI direct remote operator panel access;
- No CSRC remote service or WW Remote Service platform support
- Opt. WiFi Direct support but opt. WiFi without embedded WiFi AP router mode to be separated from customer network
- NFC only for starting the mobile print job – no real IP pairing and no authentication
- No optional UFP cleaning filter support to minimize emissions
- DSPF ultrasonic double feed detection sensor only with special DSPF doc feeder (DP-7170)

Why is the  
**bizhub C451i / C551i**  
a better solution?

bizhub C451i / C551i		Kyocera TASKalfa 5054ci	
	10.1" hard key less multi-touch 'tablet like' UI	10.1" hard key less multi-touch 'tablet like' UI	
	IWS customisation + KM Marketplace apps	No individual panel customisation, No app portal	
	WUT 14 / 15 sec./ ES 3.1 TEC 0,57 / 0,74 kWh/w	WUT - 17 sec. / ES 3.1 TEC 0,67 kWh/week	
	Std. 300sheet DSPF 140 ipm / Duplex 280 ipm	Opt. 320sheet DSPF 137 ipm / Duplex 274 ipm	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. unique auto paper weight detection sensor	Not supported – manual paper weight setting	
	Std. 8GB RAM and 256GB SSD (Solid state drive)	Std. and max. 4GB RAM and 64GB SSD	
	Optional fast 1TB SSD (Solid state drive)	Optional only 320GB or 1TB HDD (rotating type)	
	High performance Quad Core 1.6GHz CPU	1.6GHz Quad Core system CPU	
	Opt. WiFi AP and WiFi Direct for Mobile print	Opt. WiFi Direct kit; No opt. WiFi AP mode	
	OOXML (pptx, docx, xlsx) scan support	Only with optional Scan extension kit (A)	
	Std. OOXML (pptx, docx, xlsx) direct print support	Not supported	
	Opt. embedded Z-fold unit (space saving)	Z-fold not supported (only available for 6054ci)	
	Opt. 2tray Post Inserter support	Not supported (only available for 6054ci)	
	Opt. LCT/ large capacity tray for A4 or SRA3	Opt LCT paper tray only for A4 paper format	
	Opt. UFP cleaning filter to minimize emissions	Not supported	
	Std. PPML (variable data / VDP) support	Not supported (only w. opt. Fiery controller)	
	Std. highest data security incl. HCD-PP	Std. CC 15408 EAL2 / IEEE2600.2 (HDD optional)	
	Standard Internet fax functionality	Internet fax kit optional	
	UI Remote panel and CSRC remote service	Both not supported (only email notification)	
	Dynamic ECO Timer / Eco Meter Indicator	Std. Weekly timer / No Eco Indicator	
	Polymerized Toner yield CMY 28k / K 28k	Toner yield CMY 24k / K 40k	
	Fusing unit 1.000k / Developer CMYK 1.000k	Fusing unit and Developer CMYK 600k	

## Sharp BP-50C45 / 50C55 / 50C65

### Speed BP-50C45

A4 colour/BW: 45/45 ppm

A3 colour/BW: 21/21 ppm



### Speed BP-50C55 / BP-50C65

A4 colour/BW: 55/55 ppm / 65/65 ppm

A3 colour/BW: 26/26 ppm / 29/29 ppm

Successor of MX 4051 to MX 6051

5ppm (A4) speed enhanced versions  
compared to predecessor models!

Launched 06/2022




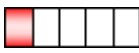





















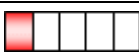

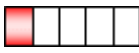




















### Highlights / Advantages

- Enhanced 10,1" 'tablet like' customisable multi touch panel; optional OSA open platform support
- Expanded Cloud services, Built-in Microsoft® Teams connector; Sharp Application Portal
- New optional Bitdefender anti-malware protection security
- New optional inner folding unit (BP-FD10) for Z-fold & half fold and C-Fold, Accordion fold (Letter)
- 1,6GHz Quad Core CPU; Max. 1200 x 1200 dpi print resolution (reduced speed)
- Multi-layered security features: Whitelisting, system integrity, FW attack prevention and self-recovery capability
- Remote control panel access; Optional WiFi Direct + AP; Std. AirPrint, Mopria for mobile printing
- Scan and Box Preview and Editing functionality; Optional stapleless + manual stapling finisher
- Toner cover lock mechanism; Energy Star 3.1 TEC 0,55 / 0,73 / 0,85 kWh/week
- SRA3 and Banner paper support (297x1200mm); Drum yield CMY – 200k, K 250k; Developer CMYK 1.200k
- Optional second LAN network card available for two individual network areas

### Disadvantages

- 50Cxx models: Adobe PostScript 3 optional; XPS print kit optional; Internet Fax kit always an extra option
- Only 100 sheets RADF reverse Document feeder / No DSPF and no ultrasonic double feed detection sensor supported
- RADF scan speed simplex 80 ipm and duplex only 25 ipm
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Sharp App Portal not comparable to MarketPlace direct app support or individual or personalized panel customisation
- No Fiery print controller optional available; Compact PDF (high compression) scan support optional
- OOXML (docx, xlsx, pptx) scan format requires optional OCR expansion kit;
- OOXML (docx, xlsx, pptx) direct print requires optional Direct print expansion kit
- 1000sheet Booklet finisher type max 60 originals / 15 pages; 3000sheet Booklet finisher max 80 originals / 20 pages
- Low Fusing unit + transfer belt yield - 300k
- No CSRC / external Remote service or WW Remote Service platform support
- Sharp OSA open platform support require three additional optional modules
- Common Criteria 15408 HDD data security kit optional
- No optional UFP cleaning filter support to minimize emission

Why is the  
**bizhub C451i / C551i**  
a better solution?

bizhub C451i / C551i		Sharp BP-50C55	
	Std. unique auto paper weight detection sensor	Not supported	
	IWS customisation + KM Marketplace apps	UI customisation + New Sharp Application portal	
	Std. OpenAPI, IWS + WebBrowser	Opt. OSA support, Opt. Web Browser	
	True print resolution up to 1200x1200 dpi	True print resolution up to 1200x1200 dpi	
	Std. 8GB RAM + 256GB SSD / opt. 1TB SSD	Std. 5GB RAM + 128GB SSD / opt. 512GB SSD	
	Std. 300sheet DSPF 140 ipm / Duplex 280 ipm	Only 100 sheet RADF 80 ipm / Duplex 25 ipm	
	High performance Quad Core 1.6GHz CPU	Quad Core 1.6GHz CPU	
	WUT 13sec. / ES 3.1 TEC 0,57 / 0,74 kWh	WUT 29sec.(MainSwitch)/ ES 3.1 TEC 0,73 kWh	
	Std. OOXML (docx, xlsx, pptx) Direct print	Requires optional Direct print expansion kit	
	OOXML scan support (pptx, docx, xlsx)	Requires optional OCR expansion kit	
	Std. Compact PDF scan format support	Compact PDF scan requires opt. scan expansion	
	NFC + BluetoothLE authentication and pairing	Both not supported	
	Optional 2tray Post Inserter support	Not supported	
	Opt. UFP cleaning filter to minimize emissions	Not supported	
	Std. highest data security incl. HCD-PP	HDD CC 15408 data security kit optional	
	Bitdefender real time virus scan (option)	Bitdefender real time virus scan (option)	
	Std. PPML (variable data / VDP) support	Not supported	
	Std. Postscript 3 PDL support	Postscript 3 support always optional (50Cxx type)	
	Std. Letter/Tri-fold / C-fold finishing w. booklet fin.	With optional inner folding unit	
	Optional Fiery controller available	Not supported	
	Toner exchange "On the fly"	System stop for toner exchange	
	Fusing unit yield – 1000k	Fusing unit yield – 300k	
	Developer yield CMYK – 1.000k	Developer yield CMY- 400k, K – 500k	

## Sharp BP-70C45 / 70C55 / 70C65

### Speed BP-70C45

A4 colour/BW: 45/45 ppm

A3 colour/BW: 21/21 ppm

### Speed BP-70C55 / BP-70C61

A4 colour/BW: 55/55 ppm / 65/65 ppm

A3 colour/BW: 26/26 ppm / 29/29 ppm

Launched 06/2022

5ppm (A4) speed enhanced versions  
compared to predecessor models.




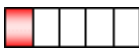





















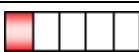

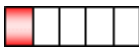
















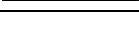
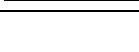


### Highlights / Advantages

- Enhanced 10,1" 'tablet like' customisable multi touch panel; std. OSA open platform support
- Std. 300sheet DSPF with BW/Color scan speed simplex 140ipm and duplex 280ipm
- Expanded Cloud services, Built-in Microsoft® Teams connector; Sharp Application Portal
- New optional Bitdefender anti-malware protection security
- New optional inner folding unit (BP-FD10) for Z-fold & half fold and C-Fold, Accordion fold (Letter)
- 1,6GHz Quad Core CPU; Max. 1200 x 1200 dpi print resolution (reduced speed)
- Multi-layered security features: Whitelisting, system integrity, FW attack prevention and self-recovery capability
- Max. 6300 sheets paper capacity; Drum yield CMYK – 200k; Toner cover lock mechanism
- Scan and Box Preview and Editing functionality; Std. Adobe Postscript 3 support
- Optional stapleless + manual stapling for internal and external finisher types
- SRA3 and Banner paper support (297x1200mm); Std. OCR / searchable PDF and compact PDF scan format
- Remote control panel access; Std. WiFi Direct + AP (AccessPoint); Walk-up motion sensor to reduce recovery time

### Disadvantages

- No Fiery print controller optional available
- Std. DSPF doc feeder but ultrasonic double feed detection kit (BP-DD10) always optional
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Sharp App Portal not comparable to MarketPlace direct app support or individual or personalized panel customisation
- No optional biometric authentication
- Common Criteria 15408 Data security kit optional
- No Letter/Tri-fold/ C-fold finishing supported with booklet finisher; No optional 2tray Post Inserter supported
- Low Fusing unit + transfer belt yield - 300k
- No CSRC / external Rremote service or WW Remote Service platform support
- Sharp OSA open platform support requires one additional optional application integration module (BP-AMX1)
- Neither standard nor optional NFC authentication or NFC pairing support
- No optional UFP cleaning filter support to minimize emission

Why is the  
**bizhub C651i**  
a better solution?

bizhub C651i		Sharp BP-70C65	
	Std. unique auto paper weight detection sensor	Not supported	
	IWS customisation + KM Marketplace apps	UI customisation + Sharp Application portal	
	Std. OpenAPI, IWS + WebBrowser	Std. OSA support, Std. Web Browser	
	True print resolution up to 1200x1200 dpi	True print resolution max. 1200x1200 dpi	
	Std. 300sheet DSPF 140 ipm / Duplex 280 ipm	Opt. 300sheet DSPF 140 ipm / Duplex 280 ipm	
	Std. DSPF ultrasonic double feed detect. sensor	Opt. DSPF ultrasonic double feed detect. sensor	
	Std. 8GB RAM + 256GB SSD / opt. 1TB SSD	Std. 5GB RAM + 256GB SSD / opt. 512GB SSD	
	WUT 13sec. / ES 3.1 TEC 0,42 kWh	WUT 29sec (MainSwitch)/ ES 3.1 TEC 0,46 kWh	
	Std. OOXML (docx, xlsx, pptx) Direct print	Std. OOXML (docx, xlsx, pptx) Direct print	
	OOXML scan support (pptx, docx, xlsx)	OOXML scan support (pptx, docx, xlsx)	
	Std. Compact PDF scan format support	Std. Compact PDF scan format support	
	NFC + BluetoothLE authentication and pairing	Both not supported	
	Optional 2tray Post Inserter support	Not supported	
	Opt. UFP cleaning filter to minimize emissions	Not supported	
	Std. highest data security incl. HCD-PP	HDD CC 15408 data security kit optional	
	Bitdefender real time virus scan (option)	Bitdefender real time virus scan (option)	
	Std. PPML (variable data / VDP) support	Not supported	
	Std. Postscript 3 PDL support	Std. Adobe Postscript 3 support	
	Std. Letter/Tri-fold / C-fold finishing w. booklet fin.	With optional inner folding unit	
	Optional Fiery controller available	Not supported	
	Standard Internet fax functionality	Internet fax kit optional	
	Fusing unit yield – 1.000k	Fusing unit yield – 300k	
	Toner exchange “On the fly”	System stop for toner exchange	

## Toshiba e-studio 4525AC / 5525AC / 6525AC

### Speed e-studio 4525AC / 5525AC:

A4 colour/BW: 45/45 ppm / 55/55 ppm

A3 colour/BW: 22/22 ppm / 27/27 ppm

### Speed 6525AC:

A4 colour/BW: 65/65 ppm

A3 colour/BW: 32/32 ppm

### Launched September 2022

Successor models of 4515AC (45ppm)

And 5015AC (50ppm).

**New:** Fast SSD instead of slower HDD support
































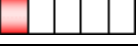












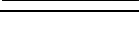
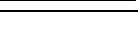


### Highlights / Advantages

- Std. 4GB RAM (5526AC: 6GB RAM) + encrypted 128GB SSD; opt. 512GB SSD (Security SSD or FIPS-2 certified version)
- SRA3 and Banner paper (305x1200mm) support
- Opt. 100sheet RADF (73ipm simplex) or 300sheets DSPF (MR-4010) doc feeder (up to 120ipm simplex / 240ipm duplex)
- Additional 300sheets DSPF doc feeder with std. double feed detection sensor (MR-4020)
- 10.1" tablet-style customisable multi-touch panel (Elevate) with embedded WebBrowser
- Optional kits (e-Bridge Re-Rite + OCR Enabler) for PDF/A / OCR and Scan to OOXML (docx, xlsx)
- Energy Star 3.1 TEC value – 0,55 / 0,71 / 0,90 kWh/week
- Enhanced std. security features like 'secure print' and 'encrypted secure print'
- Opt. WiFi / WiFi Direct and Bluetooth;
- Std. Mopria and AirPrint and Google Cloud Mobile print support

### Disadvantages

- Nothing available like Bitdefender real-time virus scan support
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Opt. punching unit require additional space/footprint (no built-in version)
- Max. paper capacity 5200 sheets; Warm-up-time – 20 seconds from Off mode;
- Booklet saddle stitch max. 60 originals / 15 sheets; No C-fold / Letter/ Tri-fold finishing supported
- No optional Z-fold unit supported; No 2tray Post Inserter supported
- HDD data overwrite security kit optional; IPsec enabler optional
- FIPS/ CC 15408 certified SSD optional
- Drum yield CMYK 105k; Developer yield CMYK 300k
- No optional Fiery controller available; Scan to box (HDD) max. 200 users (e-filing)
- Neither standard nor optional NFC authentication or NFC pairing support
- No optional UFP cleaning filter support to minimize emissions
- No CSRC remote service or WW Remote Service platform support (only email notification)

Why is the  
**bizhub C451i**  
a better solution?

bizhub C451i		Toshiba eStudio 4525AC	
	10.1" hard key less multi-touch 'tablet like' UI	10.1" multi-touch panel w. 'tablet like' UI	
	Std. OpenAPI, IWS + WebBrowser	Opt. eOP open platform, std. WebBrowser	
	IWS customisation + KM Marketplace apps	Limited panel customisation, No app support	
	Std. unique paper weight detection sensor	Not supported	
	Max. paper capacity 6650 sheets	Max. paper capacity 5200 sheets	
	Std. 8GB RAM + 256GB SSD / opt. 1TB SSD	Std. 4GB RAM + 128GB SSD / opt. 512GB SSD	
	Std. DSPF ultrasonic double feed detect. sensor	Opt. DSPF ultrasonic double feed detect. sensor	
	Opt. emb. Z-fold unit and opt. 2tray Post Inserter	Both not supported	
	Std. highest data security incl. HCD-PP	IPsec, SSD FIPS security / CC 15408 all optional	
	Unique Bitdefender real time virus scan (option)	Not supported	
	OOXML (docx, xlsx, pptx) Direct print / scan	Optional OOXML (docx, xlsx) scan support	
	High performance Quad Core 1.6GHz CPU	1.3GHz Dual Core CPU	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 60 orig. / 15 sheets	
	HDD/ Box functionality / up to 1000 user boxes	HDD/ e-filing functionality / max. 200 user boxes	
	Dynamic ECO Timer / Eco Meter indicator	Std. weekly timer / No Eco indicator	
	Optional Fiery controller available	Not supported	
	Std. Letter/Tri-fold / C-fold finishing w. booklet fin.	Not supported	
	Space saving built-in finisher punch units	Opt. punch unit require additional footprint	
	Opt. UFP cleaning filter to minimize emissions	Not supported	
	Developer yield CMYK – 1.000k	Developer yield CMYK 300k	
	Fusing unit yield – 800k	Fusing unit yield – 300k	
	Drum yield CMY 90k / K 225k	Drum yield CMYK 105k	
	Std. PPML (variable data VDP) support	Not supported	

## Toshiba e-studio 6526AC / 6527AC / 7527AC

### Speed 6526AC:

A4 colour/BW: 65/65 ppm

A3 colour/BW: 30/30 ppm

### Speed 6527AC:

A4 colour/BW: 65/75 ppm

A3 colour/BW: 30/37 ppm

Launched 06/ 2023

**New:** Fast SSD instead of slower HDD support

Successor models of 5516AC, 6516AC






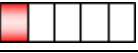



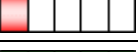

















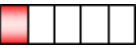

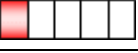





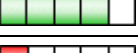









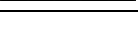


### Highlights / Advantages

- Std. 6GB RAM + encrypted 128GB SSD; optional 512GB SSD (Security SSD or FIPS-2 certified version)
- SRA3 and Banner paper (313x1200mm) support
- Std. 300sheets DSPF Doc feeder up to 120ipm simplex / 240ipm duplex scan speed
- 10.1" tablet-style customisable multi-touch panel (Elevate) with embedded WebBrowser
- Optional kits (e-Bridge Re-Rite + OCR Enabler) for PDF/A / OCR and Scan to OOXML (docx, xlsx)
- Warm-up-time – 20 seconds; Energy Star 3.1 TEC value – 0,93 / 1,13 kWh/week
- Drum yield CMYK 480k; Toner print cartridge yield (toner + developer): CMY 40k, K 106k
- Max. paper capacity up to 8020 sheets (depends on system configuration)
- Enhanced std. security features like 'secure print' and 'encrypted secure print'
- Opt. WiFi / WiFi Direct and Bluetooth
- Std. Mopria and AirPrint and Google Cloud Mobile print support

### Disadvantages

- No CSRC remote service or WW Remote Service platform support (only email notification)
- No DSPF ultrasonic double feed detection sensor supported
- Nothing available like Bitdefender real-time virus scan support
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- Only 128GB SSD or max 512GB SSD; Only 1,75GHz Dual Core CPU;
- Scan to box (HDD) max. 200 users (e-filing)
- Opt. punching unit require additional space/footprint (no built-in version); No opt. Z-fold unit and no Post Inserter supported
- Booklet saddle stitch max. 60 originals / 15 sheets; No C-fold / Letter/ Tri-fold finishing with booklet finisher
- HDD data overwrite security kit optional; IPsec enabler optional; FIPS/ CC 15408 certified HDD optional
- No optional Fiery controller available
- Neither standard nor optional NFC authentication or NFC pairing support
- No optional UFP cleaning filter support to minimize emissions

Why is the  
**bizhub C551i / C651i**  
a better solution?

bizhub C551i / C651i		Toshiba eStudio 6526AC	
	Std. 8GB RAM and 256GB SSD / opt. 1TB SSD	Std. 6GB RAM and 128GB SSD/ opt. 512GB SSD	
	Std. DSPF ultrasonic double feed detect. sensor	Not supported	
	IWS customisation + KM Marketplace apps	Limited panel customisation, No app support	
	Std. unique paper weight detection sensor	Not supported	
	Max. paper capacity 6650 sheets	Max. paper capacity 8020 sheets	
	Opt. emb. Z-fold unit and opt. 2tray Post Inserter	Both not supported	
	Std. highest data security incl. HCD-PP	IPsec, SSD FIPS security / CC 15408 all optional	
	Unique Bitdefender real time virus scan (option)	Not supported	
	OOXML (docx, xlsx, pptx) Direct print / scan	Optional OOXML (docx, xlsx) scan support	
	High performance Quad Core 1.6GHz CPU	1.75GHz Dual Core CPU	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 60 orig. / 15 sheets	
	HDD/ Box functionality / up to 1000 users	HDD/ e-filing functionality / max. 200 users	
	Dynamic ECO Timer / Eco Meter indicator	Std. weekly timer / No Eco indicator	
	Optional Fiery controller available	Not supported	
	Std. Letter/Tri-fold / C-fold with booklet finisher	Not supported	
	50sheets or 100sheets staple finisher support	Max. 50sheets staple finisher support	
	Space saving built-in finisher punch units	Opt. punch unit require additional footprint	
	A4 or SRA3 LCT (3000/2500) available	A4 + A3 LCT (2500 + 2000) w. LCT connection kit	
	Opt. UFP cleaning filter to minimize emissions	Not supported	
	Developer yield CMYK – 1.000k	Developer yield CMYK 210k	
	Fusing unit yield – 1.000k	Fusing unit yield – 300k	
	Std. PPML (variable data VDP) support	Not supported	
	Std. NFC authentication and pairing	Not supported	

## Lexmark CX 942ADSE / 943ADTSE / CX944ADTSE

### Speed

**Lexmark CX942ADSE / CX943ADTSE:**

A4 colour/BW: 45/45 ppm / 55/55 ppm

A3 colour/BW: 22/22 ppm / 27/27 ppm

**Lexmark CX 944ADTSE:**

A4 colour/BW: 65/65 ppm

A3 colour/BW: 32/32 ppm

**LED Print Head technology! (no laser)**

**Launched June 2022**

**OEM of Fujifilm or Xerox AltaLink C81xx A3 series but with Lexmark own UI.**

**The next generation A3 Color Lexmark 9series**

**will be launched as successor series of CX930/CX940 in July 2024!**










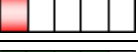

















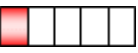




















### Highlights / Advantages

- 130sheets DSPF dual scan Document feeder / max. scan speed 73ipm simplex and 146ipm duplex
- Std. scan formats PDF/A-1b, XPS, searchable PDF (OCR), linearised PDF, encrypted PDF and OOXML (docx, xlsx, pptx)
- Print resolution up to 1200 x 2400 dpi and 1200 x 1200 dpi (LED technology); 1,2GHz Quad core CPU
- Remote control panel access; EnergyStar 3.1 TEC 0,73 / 0,85 / 1,0 kWh/week
- High standard security level (TPM, system integration check, authentication, etc)
- Tablet-like 10.1" Lexmark e-Task UI + App portal support
- Std. and max. 4GB RAM + Intelligence Storage Drive (128GB SSD) and optional 500GB HDD (rotating type)
- Optional Wlan, WiFi Direct and NFC tag connection for Mobile printing; Std. AirPrint and MOPRIA support
- Paperweight all paper trays 52 – 300g/m<sup>2</sup>; SRA3 and Banner paper support (320x1320mm)
- Standard toner yield CMY 11,5h, K 18,5k; Toner high yield up to CMY 22k, K 45k

### Disadvantages

- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Nothing available like Bitdefender real-time virus scan support
- Std. 130sheet DSPF Document feeder scan speed: simplex 73ipm; duplex 146ipm
- DSPF ultrasonic double feed detection sensor is not supported
- Max. paper capacity 4180 or 5140 sheets (depends on system pre-configuration)
- Std. only 4GB RAM and 128GB SSD vs. std. 8GB RAM and 256 GB SSD (Solid State Drive) opt. 1TB SSD of bizhub i-Series
- Long WUT - >60 seconds from Off mode (Main switch) / Sleep mode power consumption 1,2 Watt
- Max. 50sheets staple or booklet finisher; No Post Inserter available; LCT/ large capacity tray only for A4 paper format
- Booklet finisher saddle stitch max 64originals/ 16 sheets;
- Letter/ Tri-fold/ C-fold and embedded Z-fold finishing vs. Lexmark extra space/ footprint w. an extra optional Z-fold / C-fold unit
- No optional UFP cleaning filter support to minimize emissions;
- Lower consumable yields (drum, developer, fusing unit)
- No optional Fiery controller supported

Why is the  
**bizhub C551i**  
a better solution?

bizhub C551i		Lexmark CX 943DTE	
	WUT – 15 seconds; Sleep mode 0,4 Watt	WUT – >60 seconds; Sleep mode 1,2 Watt	
	Std. unique auto paper weight detection sensor	Not supported – manual paper weight setting	
	Up to 100% Print and Copy duplex productivity	Only 60% Copy and 70% Print duplex productivity	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. 8GB RAM and 256GB SSD / opt. 1TB SSD	Std. 4GB RAM and 128GB SSD/ opt. 500GB HDD	
	Max. paper capacity 6650 sheets	Max. paper capacity 4180 or 5140 sheets	
	A4 or A3/SRA3 LCT (3000/2500) available	Only 2000 sheet A4 LCT tray supported	
	300sheets DSPF simplex 140ipm / duplex 280ipm	130sheets DSPF simplex 73ipm / duplex 146ipm	
	Std. DSPF ultrasonic doublefeed detection sensor	Not supported	
	Out capacity up to 3300 sheets (w. ext finisher)	Out capacity up to 2000 sheets (w. ext finisher)	
	Toner exchange “On the fly”	System stop for toner exchange	
	Optional 2tray Post Inserter support	Not supported	
	50 or 100sheets stapler with ext. finisher types	Max. 50sheets stapler with ext. finisher types	
	OOXML (pptx, docx, xlsx) scan + Direct print	Not supported	
	Std. Tri-fold/ C-fold w. booklet finisher + opt. Z-fold	Only w. add. opt. C-fold/ Z-fold unit + BR finisher	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 64 orig. / 16 sheets	
	Optional Fiery controller available	Not supported	
	Dynamic ECO Timer / Eco Meter indicator	Not supported (only std. weekly timer)	
	Fusing unit yield – 1.000k (C451i : 800k)	Fusing unit yield 200k	
	Developer yield CMYK – 1.000k	Print cartridges (Drum/Dev IU) CMYK 165k	
	Drum yield CMY 165k, K 240k	Print cartridges (Drum/Dev IU) CMYK 165k	
	Opt. Copy Guard / Password copy security	Not supported	
	Std. PPML variable data (VDP) support	Not supported	

# HP CLJ Managed MFP E87640dn/ E87650dn/ E87660dn HP CLJ Managed Flow MFP E87640z/ E87650z/ E87660z

## HP Man. E87640dn/ z:

A4 colour/BW: 40/40 ppm

A3 colour/BW: 21/21 ppm

## HP Man. E87650dn/ z / E87660dn/ z:

A4 colour/BW: 50/50 ppm / 60/60 ppm

A3 colour/BW: 25/25 ppm / 30/30 ppm



Picture: **Flow z** model type

## Launched 06/2017

Engines + finisher types based 100% on Samsung MX-7 series (discontinued) but with HP own UI, Security, Print controller and always std. DSPF doc feeder and higher toner yield.












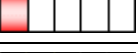



















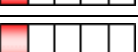











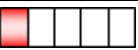


## Highlights / Advantages

- HP A3 MFP series based on 'Samsung MX-7 series' engine and finisher but adjusted with HP own User Interface
- HP designed 8" tablet-like UI; HP OXP open platform support ; HP Workpath direct app portal support
- Max. 1200 x 1200 dpi print resolution (reduced speed); Scan preview & editing functionality
- Very high Security level and features (SureStart, Whitelisting, Intrusion detection ect.)
- Std. 2x 320GB HDD with encryption + overwrite security (CC 15408/ IEEE2600);
- '**Flow z**' model: DSPF with std. ultrasonic double feed sensor, skew orientation, retractable keyboard and embedded OCR
- '**Flow z**' model: std. faster 250sheets DSPF with 120ipm / duplex 240ipm
- Std. 100sheet DSPF Document feeder for **dn model** types with 90ipm / duplex 180ipm scan speed
- 1.2GHz Quad Core CPU; Std. 7GB RAM + 2x 320GB HDD (640GB)
- High Toner yield CMY 52k, K 54k
- ES 3.1 TEC value 0,7 / 0,83 / 0,98 kWh/week

## Disadvantages

- Small 8" UI with limited multi-touch functionality and limited customer specific panel customisation
- Direct MarketPlace App support or IWS panel customisation vs HP Workpath app support
- Nothing available like Bitdefender real-time virus scan support
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- No OOXML (docx,xlsx, pptx) scan&print format support; No Banner paper (297x1200mm) print support
- No letter/Tri fold functionality with optional booklet finisher; Booklet saddle stitch max. 60 originals / 15 sheets
- Max. 65sheets staple or booklet finisher type; No Z-fold unit supported; No optional Post Inserter supported
- DSPF with standard ultrasonic double feed detection sensor only supported with special '**Managed Flow z**' models
- Slower access rate: HDD (rotating hard disc drives) vs. much faster 256GB or 1TB SSD (Solid State Drive) of bizhub i-Series
- Only up to 72% A4 and A3 Copy and Print Duplex efficiency vs. up to 100% with bizhub i-series
- No standard or optional UFP cleaning filter support to minimize emissions
- No optional Fiery controller supported

Why is the  
**bizhub C551i**  
a better solution?

bizhub C551i		HP CLJ Man. E87650dn	
	WUT 15sec. / ES 3.1 TEC 0,74 kWh / Sleep 0,4W	WUT 21sec. / ES 3.1 TEC 0,83 kWh / Sleep 12 W	
	A6 to SRA3 + Banner paper (297x1200mm)	A5 to SRA3 paper / No Banner paper format	
	10.1" hard key less multi-touch 'tablet like' UI	Std. 8" tiltable hard-key less colour touchscreen	
	Simple UI + many multi-touch functionalities	No multi-touch / all features are button controlled	
	IWS customisation + KM Marketplace apps	No individual UI customisation/ HP Workpath apps	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. auto paper weight detection sensor	Not supported – manual paper weight setting	
	Up to 100% A4 and A3 duplex print efficiency	Only up to 72% A4 and A3 duplex print efficiency	
	300sheet DSPF 140 ipm / Duplex 280 ipm	100sheet DSPF 90 ipm / Duplex 180 ipm	
	Std. DSPF ultrasonic double feed detect. sensor	Not supported (only std. with Flow z model type)	
	50sheets or 100sheets staple finisher support	Max. 65sheets staple finisher support	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 60 orig. / 15 sheets	
	Letter/ Tri-fold / C-fold fold finishing + Z-fold unit	All not supported	
	Scan to box/HDD up to 1000 users	Scan to box/HDD up to 100 users	
	Std. PPML (variable data VDP) support	Not supported	
	Optional Fiery controller available	Not supported	
	OOXML(pptx, docx, xlsx) scan + Direct print	Both not supported	
	Remote panel access and CSRC remote service	Both not supported	
	Fax up to 600x600dpi scan resolution	Fax scan resolution max 300x300dpi	
	Drum yield CMY 155k / K 240k; Developer 1.000k	Drum yield CMY 145k, K 160k ; Developer 720k	
	Toner exchange "On the fly"	System stop for toner exchange	
	Fusing unit yield – 1.000k	Fuser unit yield - 360k	
	Dynamic ECO Timer / Eco Meter indicator	Not supported	

# HP CLJ Managed MFP E87740dn/ E87750dn/ E87760dn HP CLJ Managed Flow MFP E87740z/ E87750z/ E87760z

## HP Man. E87740dn/ z:

A4 colour/BW: 40/40 ppm

A3 colour/BW: 21/21 ppm

## HP Man. E87750dn/ z / E87760dn/ z:

A4 colour/BW: 50/50 ppm / 60/60 ppm

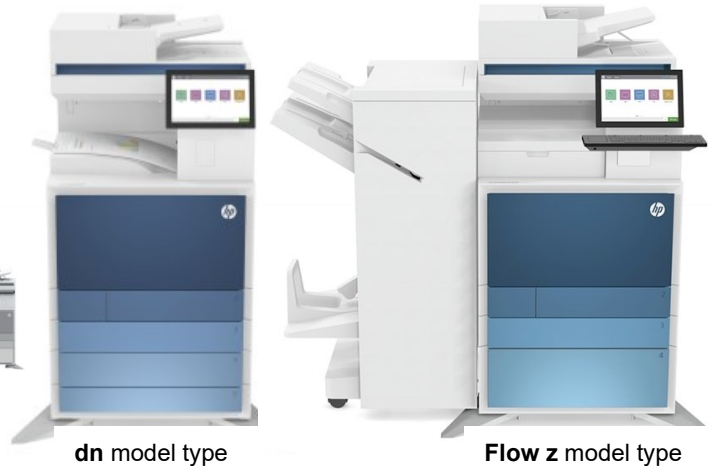
A3 colour/BW: 25/25 ppm / 30/30 ppm



Europe launched 02/2023

'Flow z' models with enhanced Workflow solutions:

OCR, Keyboard, Every Page (double feed) sensor, etc












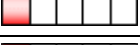










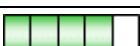










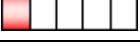

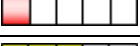








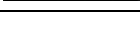
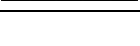


## Highlights / Advantages

- New HP A3 MFP new designed 10.1" UI; speed variance licenses and flexible Colour cover design; HP OXP open platform
- '**Flow z**' model: standard faster 300sheet DSPF, ultrasonic double feed sensor, retractable keyboard, embedded OCR, etc
- Max. 1200 x 1200 dpi print resolution (reduced speed!); Scan preview & editing functionality; HP Workpath direct app portal
- High Security level (HP Wolf) and features (SureStart, Whitelisting, Intrusion detection, Self repair if hacks, Memory shield)
- Std. 500GB HDD with encryption + overwrite security (CC 15408/ IEEE2600); optional 500GB SSD available (exchange)
- '**Flow z**' model: standard 500GB HDD and 6GB RAM; 300sheet DSPF with up to simplex 150ipm/ duplex 300ipm scan speed
- "**dn**" model: standard 500GB HDD and 6GB RAM; 200sheet DSPF with up to simplex 90ipm / duplex 180ipm scan speed
- 1.6GHz Quad Core CPU + 1.4GHz dual core CPU (UI); High toner yield CMY 45k, K 50k (Std toner yield CMY 22,5k, K25k)
- Paper capacity up to 6140 sheets; Paper tray 1 (Bypass) and 3 with paper weights up to 325 g/m<sup>2</sup>; Auto duplex up to 256g/m<sup>2</sup>
- A6 to SRA3 paper format support; ES 3.1 TEC value 0,58 / 0,70 / 0,88 kWh/week

## Disadvantages

- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Std. 500GB HDD (slower rotating type) vs. std. fast 256GB SSD (Solid State Drive) of bizhub i-Series
- Nothing available like Bitdefender real-time virus scan support (but HP Wolf security / Whitelisting etc)
- Long Warm Up time (WUT) – 100sec. / UI Ready after 80seconds!
- No C/ Tri-fold (Letter-fold) functionality with optional booklet finisher;
- Booklet saddle stitch max. 60 originals / 15 sheets vs. saddle stitch 80 originals / 20 sheets of i-series
- Max. 65sheets staple or booklet finisher types vs. 50 or 100sheets staple / booklet finisher types of i-series
- No external or embedded Z-fold unit supported; No optional 2tray Post Inserter supported
- Opt. WiFi Direct support but opt. WiFi without embedded WiFi AP router mode to be separated from customer network
- No OOXML (docx,xlsx, pptx) scan&print format support; Scan to box/HDD functionality max. 100 users
- No Banner paper (297x1200mm) support; LCT/ large capacity tray only for A4 paper format
- DSPF with standard ultrasonic double feed detection sensor **only** supported with special '**Managed Flow z**' models
- No optional Fiery controller supported
- No optional UFP cleaning filter support to minimize emissions

Why is the  
**bizhub C551i**  
a better solution?

bizhub C551i		HP CLJ Man. E87750dn	
	WUT 15sec. / ES 3.1 TEC 0,74 kWh / Sleep 0,4W	WUT 100sec/ ES 3.1 TEC 0,70 kWh / Sleep 0.8W	
	A6 to SRA3 + Banner paper (297x1200mm)	A6 to SRA3 paper / No Banner paper format	
	10.1" hard key less multi-touch 'tablet like' UI	Std. 8" tiltable hard-key less colour touchscreen	
	IWS customisation + KM Marketplace apps	No individual UI customisation/ HP Workpath apps	
	Unique Bitdefender real time virus scan (option)	Not supported	
	Std. auto paper weight detection sensor	Not supported – manual paper weight setting	
	A4 or A3/SRA3 LCT (3000/2500) available	Only 2000 sheet A4 LCT tray supported	
	Up to 100% A4 and A3 duplex print efficiency	Only up to 72% A4 and A3 duplex print efficiency	
	300sheet DSPF 140 ipm / Duplex 280 ipm	200sheet DSPF 90 ipm / Duplex 180 ipm	
	Std. DSPF ultrasonic double feed detect. sensor	Not supported ( <b>only</b> std. with <b>Flow z</b> model type)	
	50sheets or 100sheets staple or booklet finisher	Max. 65sheets staple or booklet finisher support	
	Booklet finisher saddle stitch 80 orig. / 20 sheets	Booklet finisher saddle stitch 60 orig. / 15 sheets	
	Letter/ Tri-fold / C-fold fold finishing + Z-fold unit	All not supported	
	Scan to box/HDD up to 1000 users	Scan to box/HDD up to 100 users	
	Std. PPML (variable data VDP) support	Not supported	
	Optional Fiery controller available	Not supported	
	OOXML(pptx, docx, xlsx) scan + Direct print	Both not supported	
	Remote panel access and CSRC remote service	Both not supported	
	Fax up to 600x600dpi scan resolution	Fax scan resolution max 300x300dpi	
	Drum yield CMY 155k / K 240k; Developer 1.000k	Drum yield CMY 145k / K 240K; Developer 720k	
	Toner exchange "On the fly"	System stop for toner exchange	
	Fusing unit yield – 1.000k	Fuser unit yield - 360k	
	Dynamic ECO Timer / Eco Meter indicator	Not supported	

## EPSON WorkForce Enterprise AM-C4000 / C5000/ C6000

### Speed (ISO speed)

#### EPSON WF-AM C4000:

A4 colour/BW: 40/40 ppm

A3 colour/BW: na/na ppm

#### EPSON WF-AM C5000:

A4 colour/BW: 50/50 ppm

A3 colour/BW: NA/NA ppm

#### EPSON WF-AM C6000:

A4 colour/BW: 60/60 ppm

A3 colour/BW: NA/NA ppm

Launched March 2023

Piezo heat-free line-head Ink!






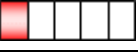

























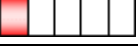













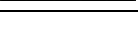


### Highlights / Advantages

- Precision Core Heat-free line-head ink technology - page wide ink printhead (small WF ink models w. line moving printhead)
- Std. 150sheet DSPF dual scan document feeder; Paper weight: Paper trays + Bypass tray up to 300 g/m<sup>2</sup>
- Low energy power consumption; ES 3.1 TEC 0,22 / 0,23 / 0,25kWh/week; Epson Remote Service (ERS) monitoring support
- New 10" 'tablet-like' multi-touch UI with Epson EOP open platform support; Std. and max. 8GB RAM + 320GB HDD
- Less consumables: no drums and no developer and no fusing unit required – only ink cartridges and cleaning unit
- Environment reasoning against UFP (ultra fine particle) discussion; High yield ink cartridges: CMY 50k, K 100k (2x 50k)
- AM C ink models w. new paper-path to avoid paper double turnaround and the huge bridge-unit between system and finisher
- **Finishing:** Optional inner or external staple finisher model or booklet finisher + saddle unit / all with punch unit option
- Booklet finisher with standard Tri-/ C-fold (Letter fold) support; Banner paper via Bypass tray up to 210 x 1200mm
- Enhanced device Security with Firmware signature verification, secure boot and new malware runtime intrusion detection

### Disadvantages

- No unique auto paper weight detection sensor supported – for paper weight always manual setting
- Nothing available like Bitdefender real-time virus scan support; Nothing available like MarketPlace direct app support
- Average HDD data protection security: HDD Overwrite/encryption optional; no encrypted print /scan format, no digital signature
- No ultrasonic double feed detection sensor supported with DSPF; WiFi support only via opt. WiFi USB dongle (no AP mode)
- No optional Fiery controller available; No std. or optional PPML (variable data VDP) support – e.g. for Tri-fold usage!
- Std. DSPF dual scan Doc feeder scan speed (200dpi) simplex only up to 60ipm and duplex up to 120ipm
- Low 1to1 simplex/ duplex Copy speed due to slow DSPF scan speed in 600x600dpi scan resolution (36ipm / 65ipm duplex)
- Low cost CIS scanning sensor (no depth of focus); Only one scan destination per session - no multi destination selection
- Max. up to 5150 sheets paper capacity (and external 3000sheet LCT tray only A4 paper format)
- No SRA3 or A3+ paper format support – max A3 paper format; No scan to HDD !; Limited Direct print and USB print formats
- Slower access rate: HDD (rotating hard disc drives) vs. much faster 256GB or 1TB SSD (Solid State Drive) of bizhub i-Series
- No embedded finisher Z-fold unit supported; No opt. 2tray Post-Insert support for external finisher
- Device must be aligned 100% horizontally, otherwise error messages often occur!
- For transport, the ink must always be completely removed from the device! (100% print -head cleaning to ink wastebbox!)

Why is the  
**bizhub C551i**  
a better solution?

bizhub C551i		EPSON WF-AM C5000	
	IWS customisation + KM Marketplace direct apps	Good panel customisation but no UI apps support	
	Std. auto paper weight detection sensor	Not supported – manual paper weight setting	
	10.1" hard key less multi-touch 'tablet like' UI	10.1" colour hard key less multi-touch UI	
	Std. 8GB RAM + fast 256GB SSD / opt. 1TB SSD	Std. 8GB RAM and 320GB HDD (rotating type)	
	Std. highest data security incl. HCD-PP	Only average data security feature level / optional	
	Unique Bitdefender real time virus scan	Not supported	
	Std. 300sheets DSPF 140 ipm / Duplex 280 ipm	Std. 150sheets DSPF 60 ipm / Duplex 120 ipm	
	Std. ultrasonic double feed sensor with DSPF	Not supported	
	Full system speed with highest print coverage	If higher coverage – slower system print speed	
	100% duplex speed also with high print coverage	Higher print coverage >5%: reduced duplex speed	
	Trays + Auto Duplex paperweight 52–256 g/m <sup>2</sup>	Trays + Auto Duplex paperweight 60–300 g/m <sup>2</sup>	
	Excellent print quality with std. + recycling paper	For high print quality special ink paper is required	
	Multi scan destinations selectable	Only one destination per session selectable	
	A3+ and SRA3 paper format (also auto duplex)	Both not supported – max standard A3 format	
	Max. paper capacity - 6650 sheets	Max. paper capacity - 5150 sheets	
	Opt. embedded Z-fold unit and 2tray Post Inserter	Both not supported	
	Std. C-/ Tri-folding (letter) with booklet finisher	Std. C-/ Tri-folding (letter) with booklet finisher	
	External A4 or SRA3 LCT (3000/2500) available	Only A4 LCT (3000sheets)	
	OOXML(pptx, docx, xlsx) scan and print support	Optional OOXML(pptx, docx, xlsx) scan support	
	Std. PPML (variable data VDP) support	Not supported	
	CCD image scan sensor with high depth of focus	Low cost CIS scan sensor / no depth of focus	
	Optional Fiery controller available	Not supported	
	Toner exchange "On the fly"	System stop required for 'ink' exchange	

## EPSON Enterprise C20750 / C21000 D4TW

### Speed (ISO speed)

#### EPSON WF-C20750:

A4 colour/BW: 75/75 ppm

A3 colour/BW: na/na ppm

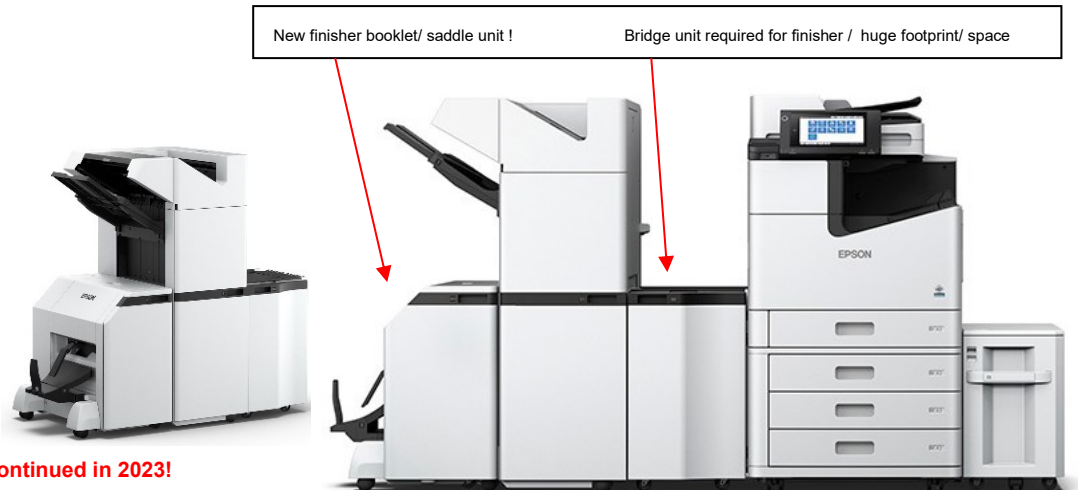
#### EPSON WF-C21000:

A4 colour/BW: 100/100 ppm

A3 colour/BW: NA/NA ppm

**Inkjet** model!

Launched 04/2020



**WF-C20600 (60/60 ppm) discontinued in 2023!**




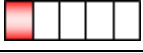



































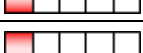



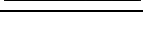


### Highlights / Advantages

- Successor series of Epson A3 (ink) series with up to 60 or 75 or 100ppm A4 print speed
- Precision Core line-head ink technology - page wide ink printhead (other WorkForce models with line moving printhead)
- Std. 150sheet DSPF dual scan document feeder; Paper weight: Bypass tray (RASf) up to 350 g/m<sup>2</sup>
- Low energy power consumption; ES 3.1 TEC value 0,34 / 0,41 kWh/week; 9" multi-touch UI with open platform support
- Less consumables: no drums and no developer and no fusing unit required – only ink cartridges and cleaning unit
- Environment reasoning against UFP (ultra fine particle) discussion; High yield ink cartridges: CMY 50k, K 100k (2x 50k)
- Up to 5350 sheets paper capacity (but large capacity tray only A4 paper format); SRA3 and Banner paper via Bypass tray
- **Finishing:** Optional external staple finisher model or booklet finisher + saddle unit / both with hole-punch option

### Disadvantages

- Nothing available like Bitdefender real-time virus scan support; Nothing available like MarketPlace direct app support
- Std HDD security but only average Security level; no encrypted print or scan format support, no digital signature
- No ultrasonic double feed detection sensor supported with DSPF No optional Fiery controller available
- Std. DSPF dual scan Doc feeder with listed scan speed (200dpi): simplex up to 60ipm and duplex up to 110ipm but...
- ...real lab tested (bliQ) 300dpi scan speed much slower: Only 36ipm simplex and 65ipm duplex scan speed BW and Colour
- Strongly reduced 1to1 simplex and duplex Copy speed due to the limited DSPF scan speed in 600x600dpi scan resolution
- Only one scan destination with any session - no multi destination type is selectable!
- Paper weight support for auto duplex and all paper cassettes only up to 160g/m<sup>2</sup> (only Bypass tray with higher paper weight)
- No standard or optional auto paper weight detection sensor supported – for paper weight always manual setting
- Limited media support via paper trays/ drawers in simplex/ duplex will limit the device to less complex workflows
- No OOXML (docx,xlsx, pptx) scan & print format support; No Direct print support; Very limited USB print format support
- Colour compressed PDF scan file sizes up to 3 times higher than average file size in MFP market
- Image quality: Saturation especially in Copy mode not bright enough. Flesh tones in Print yellowish and Copy Quality redish
- Limited copy text quality; Stair stepping and inconsistent diagonal lines (line art) and limited separation between halftones
- Extremely large footprint/ space needed with external finisher types due to the required Bridge unit and separate saddle unit
- No C/ Tri-fold (Letter-fold) support and no Z-fold unit support; No opt. Page-Insertor support for external finisher

Why is the  
**bizhub C651i**  
a better solution?

bizhub C651i		EPSON WF-C20750 D4TW	
	IWS customisation + KM Marketplace apps	Limited panel customisation, No UI app support	
	Std. auto paper weight detection sensor	Not supported – manual paper weight setting	
	10.1" hard key less multi-touch 'tablet like' UI	Smaller 9" colour hard key less multi-touch UI	
	Std. 8GB RAM + fast 256GB SSD / opt. 1TB SSD	Std. 3GB RAM and 320GB HDD (rotating type)	
	Std. highest data security incl. HCD-PP	Only average Security feature level / no options	
	Unique Bitdefender real time virus scan	Not supported	
	Std. 300sheets DSPF 140 ipm / Duplex 280 ipm	Std. 150sheets DSPF 60 ipm / Duplex 110 ipm	
	Std. ultrasonic double feed sensor with DSPF	Not supported	
	Full system speed with highest print coverage	If higher coverage – slower system print speed	
	100% duplex speed also with high print coverage	Higher print coverage >5%: reduced duplex speed	
	Trays + Auto Duplex paperweight 52–256 g/m <sup>2</sup>	Trays + Auto Duplex paperweight 60–160 g/m <sup>2</sup>	
	Excellent print quality with std. paper types	For high print quality special ink paper is required	
	Multi scan destinations selectable	Only one destination per session selectable	
	SRA3 (also auto duplex) + Banner paper support	Both supported via Bypass / SRA3 only simplex	
	Max. paper capacity - 6650 sheets	Max. paper capacity - 5350 sheets	
	Small finisher footprint/ space + embedded Z-fold	Huge footprint due to bridge unit and saddle unit	
	Finisher C/ Tri-folding and opt. A3 Z-folding	All not supported	
	External A4 or SRA3 LCT (3000/2500) available	Only A4 LCT (3000sheets)	
	OOXML(pptx, docx, xlsx) scan and print support	Not supported	
	Std. PPML (variable data VDP) support	Not supported	
	Remote panel access and CSRC remote service	Both not supported (only email notification)	
	Optional Fiery controller available	Not supported	
	Toner exchange "On the fly"	System stop required for 'ink' exchange	

## Fujifilm APEOS C4570 / C5570 / C6570 / C7070

### Speed Apeos C4570 / C5570:

A4 colour/BW: 45/45 ppm / 55/55 ppm

A3 colour/BW: 23/23 ppm / 27/27 ppm

### Speed Apeos C6570:

A4 colour/BW: 65/65 ppm

A3 colour/BW: 35/35 ppm

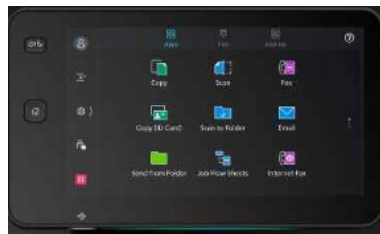
Europe launched 05/2024

(only Italy and UK)

High beam LED Print Head technology! (no laser)

Europe launch (currently only Italy and UK) May 2024

Partly comparable to Xerox AltaLink C8145/C8155/C8170








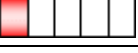

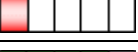






































### Highlights / Advantages

- Std.250sheets DSPF dual scan doc feeder with BW/Colour 135ipm simplex/ 270ipm duplex scan speed and soft-close mech.
- Print resolution up to 1200 x 2400dpi (LED technology); High standard security level
- Remote control panel access via Smartphone and Remote Assistance (HELP feature) via QR code
- Tablet-like 10.1" UI + Fujifilm controller / UI with limited Apps support; Apeos iiX open platform support
- Std. 4GB RAM and 128GB SSD with full security and CC 15408 system certification
- Standard PDF/A-1b, linearised PDF and encrypted PDF scan format; optional searchable PDF and OOXML (docx, xlsx)
- 1.9GHz Quad core CPU; SRA3 paper size and Banner paper support (320x1320mm)
- Office B4 staple + punch finisher; or Business C4 or C5 Booklet finisher type with optional (CD3) C-fold/ Z-fold unit;
- C4/C5 staple/ booklet finisher w.mult-position staple-less stapling up to 10sheets;
- Optional Server-less On demand print (up to 100 units)
- Mobile print support: AirPrint, Mopria support, opt. Wlan and WiFi Direct (USB) and NFC pairing
- Paperweight all paper trays 52 – 300g/m<sup>2</sup>; All paper trays with soft-close mechanism (LCT/HCF trays excluded)

### Disadvantages

- Std./max. only 4GB RAM and 128GB SSD vs. std. 8GB RAM and 256 GB SSD (opt. 1TB SSD) of bizhub i-Series
- No optional unique auto paper weight detection sensor supported – for paper weight always manual setting
- Nothing available like Bitdefender real-time virus scan support
- Nothing like direct MarketPlace App support or IWS panel customisation/ only panel customisation + limited embedded apps
- WUT - 30 seconds from Off mode (Main switch); No optional Fiery controller supported
- DSPF ultrasonic double feed detection sensor is not supported
- Office finisher B4 type with booklet maker only for crease/saddle stitch (real V-folding only with Booklet C4/C5 finisher type)
- Letter/ Tri-fold / C-fold finishing requires an extra optional Z-fold/ C-fold unit (CD-3)
- Inner staple finisher type without punching option and w/o manual stapling function (only up to for C5570 model)
- No optional UFP cleaning filter support to minimize emissions
- Max. paper capacity up to 5110sheets or 6140sheets (depends on system configuration)

Why is the  
**bizhub C451i / C551i**  
a better solution?

bizhub C451i / C551i		Fujifilm APEOS C4570/ C5570	
	WUT – 15 seconds; Sleep mode 0,4 Watt	WUT – 30 seconds; Sleep mode 0,4 Watt	
	EnergyStar 3.1 TEC 0,57 / 0,74 kWh/week	Energy Star 3.1 TEC 0,64 / 0,77 kWh/week	
	Opt. unique auto paper weight detection sensor	Not supported	
	Unique Bitdefender real time virus scan (option)	Not supported	
	300 sheet DSPF simplex 140ipm / duplex 280ipm	250 sheet DSPF simplex 135ipm / duplex 270ipm	
	Std. ultrasonic double feed sensor with DSPF	Not supported	
	Max. paper capacity 6650 sheets	Max. paper capacity 5110 or 6140 sheets	
	All trays + Auto Duplex paperweight 52–256 g/m <sup>2</sup>	All trays 52–300 g/m <sup>2</sup> / Auto Duplex up to 256g/m <sup>2</sup>	
	Std. OOXML (docx, xlsx, pptx) Direct print	Not supported	
	OOXML (pptx, docx, xlsx) scan format	Optional OOXML (docx, xlsx) scan format	
	Std. 8GB RAM and 256GB SSD / opt. 1TB SSD	Std. and max. 4GB RAM and 128GB SSD	
	Banner paper (297x1200mm) support	Banner paper (320x1320mm) support	
	Opt. Copy Guard / Password copy security	Not supported	
	Inner staple finisher with punch and manual staple	No punch/ no manual staple for inner staple finish.	
	Std. Tri-fold/ C-fold with booklet finisher	With add. option C-fold/ Z-fold unit for C4 finisher	
	Booklet finisher up to 80 orig. / 20 sheets	Booklet finisher up to 80 orig. / 20 sheets	
	Dynamic ECO Timer / Eco Meter indicator	Not supported (only std. weekly timer)	
	Fusing unit yield - 1000k (C451i: 800k)	Fusing unit yield - 200k	
	Developer yield CMYK – 1.000k	Print cartridges (Drum/Dev IU) CMYK 180k	
	Drum yield CMY 165k, K 240k	Print cartridges (Drum/Dev IU) CMYK 180k	
	Toner yield CMY 28k / K 28k	Toner yield CMY 25k / K 25k	
	50 or 100sheets stapler with ext. finisher types	Max. 65sheets stapler (C5) with ext. finisher types	
	Std. PPML variable data (VDP) support	Not supported	

## Top Sales arguments of bizhub C651i-series

### MFP IT6 Controller generation

- High performance CPU: C451i/C551i/C651i; **Quad Core CPU, 1600 MHz**
- Main memory: **8 GB RAM** (standard and max)
- **Fast Flash SSD** (solid state drive): **256 GB SSD** (std.) or **1TB SSD** (opt.)
- Std. ISO15408/ **HCD-PP**; top level of security with bizhub Secure + opt. **BitDefender** device **real time virus scan** detection, SSD self-encrypting function; enhanced NSA encryption algorithm;
- **10.1" ease of use UI**, tiltable tablet-like multi-touch screen, easy customisable, std. NFC ready, std. IWS 2.5 and Chromium WebBrowser, Remote tools and management, **std. Marketplace app** support (scalable and customisable) **and individual customisable and personalisable UI**
- Strengthened connection functions (Direct Print and Scan to functionality for OOXML MS-Office files (PPTX, DOCX, XLSX) and std. PDF/A-1b
- Std. Android NFC authentication, mobile print /scan pairing or Bluetooth LE (for iOS); EU GDPR ready
- Std. MOPRIA, AirPrint support. GoogleCloud Print ready and Mobile app.
- Opt. Wireless Lan as WiFi AP (Access Point), full WiFi and WiFi Direct
- Enhanced accessibility to MFP board / SoC technology
- Best productivity with latest **Chromium Browser**
- Various i-options to enlarge special features or functionality (e.g. OCR A/B, Barcode, Unicode, ThinPrint, Trusted Platform, PDF/A-1a, Copy Guard ...)
- Next generation **IoT-enabled** multifunction device. The smart device technology **augments office connectivity, optimising the way the office works** while preparing it **to be future-ready**.
- It **simplifies complexities to improve productivity, to streamline business processes**.

### Finishers (optional)

- **FS-539** (floor-type compact finisher) 50-sheet stapling plus manual stapling, low noise, high productivity
- **FS-539SD** (floor-type compact booklet finisher) 50-sheet stapling plus manual stapling, low noise, highest productivity; with standard 80/20sheets booklet saddle kit and letter C/ tri-fold kit
- **FS-540** (floor-type compact finisher) 100-sheet stapling, low noise, top-running high productivity
- **FS-540SD** (floor-type compact booklet finisher) 100-sheet stapling, low noise, top-running high productivity; with standard 80/20sheets booklet saddle kit and letter C/ tri-fold kit
- **FS-P04** Offline-stapler (20sheets)
- **JS-602** (job separator for FS-540)
- Opt. **2/ 3/ 4 hole Punch units**
- Built-in space saving **A3 Z-fold unit**
- **2tray 200sheets Post inserter**

### High Productivity

- Highest multi-functional performance due to **Quad core 1.6GHz CPU**
- 100% main unit productivity for up to A3 paper
- Up to **100% duplex productivity** for A4 and A3
- **Standard unique auto paper weight detection sensor**
- Very short **WUT** C451i/C551i/C651i: **15 seconds or less** (13sec for BW) due to new  $\beta$ 09 low toner temperature fixing
- Highest productivity during multi-tasking
- Various finisher options and up to 6650 sheets paper input capacity and 3300 sheets output capacity



### Environmental Performance

- Very low **Sleep Mode** power consumption **0,4 Watt**
- Plus ErP Auto Power Off mode 0,2 Watt
- EnergyStar **3.1 TEC (0,57 / 0,74 / 0,90 kWh/week)**
- BAM (Blue Angel Mark), Energy Star certified (US, JP)
- Hard-key less UI with **vibration feedback** function
- Blank paper removal function, opt. Voice operation
- Eco Meter Indicator; Noise reduction, New Air Packaging
- Dynamic self-learning Eco-timer
- Power-saving LED light source for scanner
- SoC motherboard technology (System on Chip)
- Ozon-less roller charging
- **Embedded UFP filter / adapted air exhaust path**
- **Optional UFP Cleaning unit**
- **Low temperature fixing  $\beta$ 09 polymerised toner**
- Auto refining developing system
- High ratio of Recycled PC/PET adopted (> 70%)
- Bioplastic adopted
- Easy paper **de-inking** process with bizhub toner type

### High Performance ADF

- Top-class duplex scanning with **standard DF-713 (300sheets** dual scan **DSPF** with **std. ultrasonic double feed detection sensor** and **auto de-skew function; soft-close mechanism**)
- Simplex scan speed  
**140ipm** (200dpi)  
80 ipm (600 dpi)
- Duplex scan speed  
**280 ipm** (200 dpi)  
160 ipm (600dpi)

### Enhanced Reliability and Durability

- Fusing unit life time **800k** (451i) and **1,000k** (551i/651i)
- 4-colour auto refining developing system (ARDS) to increase **CMYK Developer yield – 1,000k**
- **Long life consumables**  
**240k** Black drum and **155k** to **165 k** CMY drum

### Improved Installation and Setup

- Full Install Setup Guide menu
- Lightweight compact design
- Easy-to-operate carrying handles

### High Image Quality + Security

- Up to true **1,200 x1200 dpi** / 1bit print resolution
- Image processing algorithm adopted
- **ISO 15408/ HCD-PP compliant**, IP filtering, HTTP/2 protocol, port blocking, SSL2, SSL3 and TSL 1.0, IPsec, IEEE 802.1x, User authentication, user log, secure print, HDD (SSD) overwrite and encryption (AES 256), Auto memory deletion, ect.
- Optional **unique BitDefender** device **real time virus scan** detection

### Media Handling

- **Standard unique auto paper weight detection sensor**
- Trays: support 52 to 256 g/m<sup>2</sup> and SRA3 (2nd tray, LCT), energy saving and low noise with inner brush motor
- Multiple bypass tray: 60 to 300g/m<sup>2</sup>, and banner paper (297 x 1,200 mm)
- **LCT (LU-302)** with **3000 sheets** additional **A4** paper capacity or **LCT (LU-207)** with **2,500 sheets A4 to SRA3**
- **Detachable paper trays** for better user support in case of paper jam

## Highlights of bizhub C651i-series

### Intelligent simplicity - 10.1" UI:

A tablet like screen with 10.1 size for all the MFP (A4 & A3) and Mobile touch area / NFC ready, new UI with short cut & widgets easy to set up. With a large touchscreen operation panel, smartphone style user interface, voice control and a display that users can customise with **apps** from **Konica Minolta MarketPlace**, i-Series is intelligently simple.

The 10.1-inch colour touch screen provides an easy operation, just like your smartphone or tablets. In few clicks and without any learning curve, access the most frequent operations.

### IT Services + Intuitive – putting users first:

Directly from the MFP User Interface home screen, access to Konica Minolta MarketPlace to enjoy Cloud services, connectors, and much more..

The new models also simplify the login process for customers using Microsoft Azure (Microsoft Entra ID) or Google Workspace and offers the opportunity to connect to their files or folders with the use of single sign-on (SSO).

Inspired by the way people interact with tech, we've completely redesigned the user experience. The new i-Series offers a market leading and intuitive smartphone style experience. In fact, the user experience is so familiar there's practically no learning curve and users can customize their screen in the same way as their mobile device. Most used functions have an identical list-view or card type view and are directly visible without scrolling or searching. And as both our A3 and A4 models operate in precisely the same way, users can be more productive whichever they're working with.

### Next generation Security - the most secured MFPs:

Integration of **Bitdefender anti-virus engine** inside the MFP firmware, **Real time Virus Scanning** jobs Print data, Scan data, i-FAX data; **Scheduled** Virus Scanning on HDD (User box, SMB, MFP system) or manual via admin. A full set of security features provided by bizhub SECURE services, including Bitdefender anti-virus engine to protect your organization from malware infection.

With the new "Authentication Attack Detection" function, it is now possible to block unauthorised attempts deriving from brute force attacks, a method commonly used by cyber criminals to crack passwords and other access data, to infiltrate devices from outside. In the event of such an attempt, the IT admin is informed and can take appropriate action.

### SMART SECURITY TO KEEP YOUR BUSINESS SAFE:

Nothing matters more than the security of your vital business data and the challenge with print security and its infrastructure is twofold – protecting the devices and protecting the data and documents that they output.

With our new bizhub i-Series you can rest assured that your devices, data and documents are secure. Numerous security features are built into our devices, supported by industry-leading antivirus technology from Bitdefender®. And with Shield Guard or bizhub SECURE Notifier you're on top of it all, making sure your bizhub devices stay secure over their entire lifetimes.

#### Shield Guard:

Shield Guard lets you monitor the security settings of your entire bizhub fleet via your cloud platform. It complements our bizhub SECURE services by enabling your IT admins to remotely monitor and manage security across the whole print fleet, in device groups or on a device-specific basis. Shield Guard provides a graphical dashboard for status monitoring at a glance, including KPIs. It simplifies device and policy management with standardised and customisable bizhub SECURE policies.

#### bizhub SECURE Notifier:

bizhub SECURE Notifier lets you monitor the security settings over the lifetime of each bizhub device on-premise. Available via the Konica Minolta MarketPlace, the bizhub SECURE Notifier app runs on your device and shows you it's secure. With the latest widget technology you can identify the security status at a glance on the home screen. The app also proactively informs you if a setting has been changed. bizhub SECURE service offers a range of levels so it can be tailored to your needs:

**bizhub SECURE:** Protects the data in the memory of your i-Series device - Protects your i-Series from cyber attacks using data encryption - Ensures files are stored only for usage, and are deleted in a timely manner if not used

**bizhub SECURE Platinum:** Secures the network settings of your devices and guards against unauthorised access - Allows you to disable unwanted and unnecessary protocols and ports - Ensures the right certificates are in place for use - Lets you keep track of what's happening on your MFP by enabling the right logs

**bizhub SECURE Ultimate:** Provides evidence of all activities and processed information, ensuring an audit trail suitable for security purposes - Provides comprehensive protection for your bizhub device against the threat of viruses with our virus scanning solution supported by Bitdefender® - Secures operations regardless of user and their location - Notifies your IT admins if a virus is detected

### Long life parts:

Increased life of the parts for improved reliability. Long-lasting consumables shorten downtime while cutting down on maintenance and labor costs. A3 i-series: BW drum life-time increased up to 260k, Developer yield 1.000k and Fuser unit life-time 800k (C451i) and 1000k.

### IT6 controller generation:

SoC technology, 1600MHz Quad Core CPU, standard 8GB RAM and standard fast 256GB SSD (solid state drive) or optional 1TB SSD.

### Standard Dual-scan DSPF with double feed detection sensor:

Std. 300sheets dual-scan **DSPF** with up to 140ipm simplex and **280ipm duplex scan speed** and **standard ultra-sonic double feed detection sensor and soft close mechanism.**

#### **Connected - Mobile Print support:**

Standard support of MOPRIA, Apple AirPrint, Google Cloud print ready, Optional WiFi (AP mode and WiFi-Direct), Standard NFC pairing and authentication (Android) or optional Bluetooth LE (iOS)

#### **Standard IWS + std. Chrome Web Browser and OpenAPI:**

Standard IWS and standard Chrome Web Browser support for full panel customisation and personalisation on HTML basis; bizhub Marketplace; Google Apps and MS SharePoint connector based on Open API open platform technology ect.

#### **Environmental performance:**

Energy-saving settings, low TEC values, space-saving design and award-winning air packaging helps to reduce environmental impact and save costs at the same time. New eco settings, low temperature fusing toner and **standard unique paper weight detection sensor** combine to significantly reduce the consumption of energy and paper. We're also committed to minimizing waste throughout the product's lifecycle. While our improved consumables and parts use fewer materials and enjoy a longer life, our industry leading air-form packaging solution ensures safe transportation while reducing waste by >20%. Warm-up time from Off mode in just 15 seconds (BW only 13 seconds); Excellent Energy Star 3.1/3.2 support; TEC 3.2 values (0,57 / 0,74 / 0,90 kWh/week), Reduced Sleep Mode power consumption 0,4 Watt and Dynamic self-learning Eco-Timer

#### **Fiery controller for bizhub C451i, C551i, C651i (option):**

Professional color print support with optional Fiery System IC-420; Adobe Postscript 3, PCL6 and PCL5e; 2.4 GHZ CPU, 4 GB RAM and 500 GB HDD; plus different additional Fiery options for professional color printing.

#### **REMOTE SERVICES: INSTANT SUPPORT WITH INSTANT ACCESS:**

Konica Minolta **Worldwide Remote Service Platform** provides a trouble-free experience and minimum downtime. To ensure continuous and full use, i-Series intelligently collects **data for self-diagnostic and remote maintenance** and even predicts the optimum replacement time for parts and consumables. It also uploads the latest firmware, in real or scheduled time. So users know they're always working with up-to-date technology.

We implemented the Konica Minolta Remote Service platform, which ensures trouble-free operation and maximises device uptime. To keep things running smoothly, i-Series devices intelligently collect data for self-diagnostics and remote maintenance, and even predict the optimal replacement time for parts and consumables – without unnecessary engineer visits or business interruptions. You can expect system uptime improvements, as well as a reduction in security risks through the initial secure configuration and required maintenance updates. Your benefits: - Fewer calls to the service desk - Reduced need for onsite engineer visits - Maximised device uptime - Devices that are always up to date

#### **Universal Printer driver and Microsoft Universal Print support:**

Universal Printer Driver V4 - One printer driver to install, manage and maintain. Intuitive and modern printer driver UI. Know one – operate many devices. Select print function default to support user operation, Lock print functions e.g. to create BW only print queue. And direct Microsoft Universal Print and Universal Print Connector support.

#### **SECURE YOUR DOCUMENTS USING CLOUD SERVICES:**

Cloud print services featuring innovations such as Follow Me printing and Secure Print enable organisations to: Simplify their print operations - Modernise their print infrastructure in response to changing working practices - Enhance workforce agility & Improve data protection and document security. With Konica Minolta, you have a holistic digital workplace partner at your side, ready to support you at every stage of your cloud journey. Through a rich portfolio of services and solutions we can help you access the operational, management and cost benefits of cloud print. Konica Minolta is recognised as a 'Major Player' in Quocirca's report 'The Cloud Print Services Landscape, 2023 – How the cloud is driving print infrastructure modernisation'

#### **POWERFUL CLOUD SOLUTIONS TO MEET YOUR INDIVIDUAL NEEDS:**

**Workplace Pure:** Workplace Pure offers cost-effective access to an ever-evolving range of services like document translation, document conversion, cloud print, mobile print and direct upload to cloud repositories – all from a single trusted source. As a secure, compliant cloud-based platform, Workplace Pure does away with the need to install and manage new hardware and software. So it accelerates and integrates perfectly with a cloud-first strategy. Workplace Pure is also simple to manage with no complex or time-consuming admin to take on. It's available 24/7 via the user panel of your bizhub device.

**SAFEQ Cloud:** SAFEQ Cloud is an all-in-one cloud-native multi-tenancy print management and scanning solution that offers the flexibility and benefits of software-as-a-service (SaaS). It's designed to help organisations reduce the cost and complexity associated with a traditional setup – while maintaining all the features of a familiar print management solution and delivering one-touch scanning. And because SAFEQ Cloud works with multi-vendor fleets, there's no need to replace your existing printers, scanners and MFPs.

#### **Cloud Solution BENEFITS AT A GLANCE**

**Better Cost Planning:** Fixed monthly fees so you always keep a perfect overview; **Quick and easy implementation:** Rapid deployment, easy updates and fast adoption; **Secure printing:** Follow-me authentication ensures that your document does not fall into wrong hands; **Improved data and document security:** Certified data centres and encryption ensure your data and documents stay safe and secure; **Mobile Working:** Our cloud print services are accessible and usable from anywhere **Print as usual, but at reduced costs:** You continue to use your MFP and benefit from reduced costs as well.

## CUSTOMER BENEFITS



**Intuitive operability**  
Operate the bizhub like a smartphone or tablet with fully customised user interface



**Mobile connectivity**  
Print anytime from anywhere with Konica Minolta's innovative mobile technologies



**Security**  
Secure network integration, data encryption, hard drive overwrite, and advanced user authentication



**Application ecosystem**  
Enhanced efficiency thanks to Konica Minolta's extensive applications portfolio



**Productivity**  
Reliability, high-speed scanning and printing, combined with powerful finishing functions



**Sustainability**  
Numerous eco features reduce energy consumption and costs

## OPTIONS

- 1 ENHANCED FEATURES**
- OCR text recognition LK-105v4
  - Barcode fonts LK-106
  - Unicode fonts LK-107
  - OCR A and B fonts LK-108
  - Document converter pack LK-110v2
  - ThinPrint® client LK-111
  - Serverless pull printing LK-114
  - Trusted Platform Module LK-115v2
  - Antivirus LK-116
  - FOIP activation LK-117



- 2 CONNECTIVITY**
- Fax board FK-514 <sup>x2</sup>
  - Wireless LAN UK-221
  - USB I/F kit EK-608
  - USB I/F kit EK-609
  - Fiery controller IC-420
  - Interface kit for IC-420 VI-516
  - Biometric authentication AU-102
  - Card authentication ID card reader
  - Mount kit MK-735

- 3 OTHERS**
- Working table WT-506
  - Offline Stapler FS-P04
  - 10-Key pad KP-102
  - Replacement SSD EM-908
  - Keyboard holder KH-102
  - Air cleaning unit CU-102

- 4 MEDIA INPUT**
- 1x Universal tray PC-116
  - 2x Universal tray PC-216
  - Large capacity tray PC-416
  - Large capacity tray PC-417
  - Copier desk DK-516x
  - Large capacity tray LU-302
  - Large capacity tray LU-207
  - Banner tray BF-C1e

- 5 MEDIA OUTPUT**
- Output tray OT-513
  - Staple finisher FS-539
  - Relay unit RU-513
  - Booklet finisher FS-539SD
  - Relay unit RU-513
  - Punch kit for FS-539/SD PK-524
  - Staple finisher FS-540
  - Relay unit RU-513
  - Booklet finisher FS-540SD
  - Relay unit RU-513
  - Punch kit for FS-540/SD PK-526
  - Post inserter for FS-540/SD PI-507
  - Job separator for FS-540/SD JS-602
  - Z-fold unit for FS-540/SD ZU-609

**LEGEND**

- Mandatory option
- Option
- This option can only be installed with the respective option above it

## FINISHING FUNCTIONALITIES

- Corner stapling
- Two-point stapling
- Two-hole punching
- Four-hole punching
- Duplex
- Combined mixplex/mixmedia
- Half-fold
- Sheet insertion, report
- Letter-fold
- Booklet
- Offset sorting
- Z-fold
- Banner printing
- Corner Stapling (offline)

## DESCRIPTION

### ENHANCED FEATURES

LK-105v4 OCR text recognition	Searchable PDF and PPTX
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-110v2 Document converter pack	Generates various file formats incl. DOCX, XLSX and PDF/A
LK-111 ThinPrint® client	Print data compression for reduced network impact
LK-114 Serverless pull printing	Secure and Follow Me printing solution requiring no server application
LK-115v2 Trusted Platform Module	Trusted Platform Module for protection of data encryption and decryption
LK-116 Antivirus	Bitdefender® antivirus provides real time scanning of all incoming and outgoing data
LK-117 FOIP activation	Fax over IP networks (T.38), requires fax kit

### CONNECTIVITY

FK-514 Fax board	Super G3 fax, digital fax functionality
UK-221 Wireless LAN	Wireless LAN and wireless LAN Access Point Mode
EK-608 USB I/F kit	USB keyboard connection
EK-609 USB I/F kit	USB keyboard connection; Bluetooth
IC-420 Fiery controller	Professional colour print controller
VI-516 Interface kit for IC-420	Fiery controller interface card
AU-102 Biometric authentication	Finger vein scanner
ID card reader	Various ID card technologies
MK-735 Mount kit	Installation kit for ID card reader

### OTHERS

WT-506 Working table	Authentication device placement
FS-P04 Offline Stapler	Offline stapler, 20 sheets stapling
KP-102 10-Key pad	For use instead of touchscreen
EM-908 Replacement SSD	1 TB SSD to increase storage space
KH-102 Keyboard holder	To place USB keyboard
CU-102 Air cleaning unit	Improving indoor air quality by reduced emission

### MEDIA INPUT

PC-116 1x Universal tray	500 sheets, A5-A3, 52-256 g/m <sup>2</sup>
PC-216 2x Universal tray	2x 500 sheets, A5-A3, 52-256 g/m <sup>2</sup>
PC-416 Large capacity tray	2,500 sheets, A4, 52-256 g/m <sup>2</sup>
PC-417 Large capacity tray	1,500 + 1,000 sheets, A5-A4, 52-256 g/m <sup>2</sup>
DK-516x Copier desk	Provides storage space for print media and other materials
LU-302 Large capacity tray	3,000 sheets, A4, 52-256 g/m <sup>2</sup>
LU-207 Large capacity tray	2,500 sheets, A4-SRA3, 52-256 g/m <sup>2</sup>
BT-C1e Banner tray	Multipage banner feeding

### MEDIA OUTPUT

OT-513 Output tray	Output tray used instead of finisher
FS-539 Staple finisher	50 sheets stapling; 3,200 sheets max. output
FS-539SD Booklet finisher	50 sheets stapling; 20 sheets booklet finisher; 2,200 sheets max. output
PK-524 Punch kit for FS-539/SD	2/4 hole punching; autoswitching
FS-540 Staple finisher	100 sheets stapling; 3,200 sheets max. output
FS-540SD Booklet finisher	100 sheets stapling; 20 sheets booklet finisher; 2,700 sheets max. output
PK-526 Punch kit for FS-540/SD	2/4 hole punching; autoswitching
RU-513 Relay unit	For FS-539/SD or FS-540/SD installation
JS-602 Job separator for FS-540/SD	Separation of fax output; etc.
PI-507 Post inserter for FS-540/SD	Cover insertion; post finishing
ZU-609 Z-fold unit for FS-540/SD	Z-fold for A3 prints

## TECHNICAL SPECIFICATIONS

### SYSTEM SPECIFICATIONS

System speed A4	Up to 65/65 ppm (mono/colour)
System speed A3	Up to 32/32 ppm (mono/colour)
Autoduplex speed A4	Up to 65/65 ppm (mono/colour)
1st page out time A4	2.8/3.8 sec. (mono/colour)
Warm-up time	Approx. 12/13 sec. (mono/colour) <sup>1</sup>
Imaging technology	Laser
Toner technology	Simitri® V polymerised toner
Panel size/resolution	10.1" / 1024 x 600
System memory	8,192 MB (standard/max)
System hard drive	256 GB SSD (standard) / 1 TB SSD (optional)
Interface	10/100/1,000-Base-T Ethernet; USB 2.0; Wi-Fi 802.11 b/g/n/ac (optional)
Network protocols	TCP/IP (IPv4 / IPv6); SMB; LPD; IPP; SNMP; HTTP(S); Bonjour
Automatic document feeder	Up to 300 originals; A6-A3; 35-210 g/m <sup>2</sup> ; Dualscan ADF
ADF double feed detection	Standard
Printable paper size	A6-SRA3; customized paper sizes; banner paper max. 1,200 x 297 mm
Printable paper weight	52-300 g/m <sup>2</sup>
Paper input capacity	1,150 sheets / 6,650 sheets (standard/max)
Paper tray input (standard)	1x 500; A6-A3; custom sizes; 52-256 g/m <sup>2</sup> 1x 500; A5-SRA3; custom sizes; 52-256 g/m <sup>2</sup>

### SYSTEM SPECIFICATIONS

Paper tray input (optional)	1x 500 sheets; A5-A3; 52-256 g/m <sup>2</sup> 2x 500 sheets; A5-A3; 52-256 g/m <sup>2</sup> 1x 2,500 sheets; A4; 52-256 g/m <sup>2</sup> 1x 1,500 + 1x 1,000 sheets; A5-A4; 52-256 g/m <sup>2</sup>
Large capacity tray (optional)	1x 3,000; A4; 52-256 g/m <sup>2</sup> 1x 2,500; A4-SRA3; custom sizes; 52-256 g/m <sup>2</sup>
Manual bypass	150 sheets; A6-SRA3; custom sizes; banner; 60-300 g/m <sup>2</sup>
Finishing modes (optional)	Offset; Group; Sort; Staple; Staple (offline); Punch; Half-fold; Letter-fold; Booklet; Post insertion; Z-fold
Automatic duplexing	A6-SRA3; 52-256 g/m <sup>2</sup>
Output capacity	Up to 250 sheets / up to 3,300 sheets (standard/max)
Stapling	Max. 100 sheets or 98 sheets + 2 cover sheets (up to 300 g/m <sup>2</sup> )
Stapling output capacity	Max. 200 sets
Letter fold	Max. 3 sheets
Letter fold capacity	Max. 50 sets; unlimited (without tray)
Booklet	Max. 20 sheets or 19 sheets + 1 cover sheet (up to 300 g/m <sup>2</sup> )
Booklet output capacity	Max. 35 booklets; unlimited (without tray)
Duty cycle (monthly)	Rec. 53,000 pages; Max. <sup>2</sup> 250,000 pages
Toner lifetime	Black up to 28,000 pages CMY up to 28,000 pages
Imaging unit lifetime	Black up to 240,000/1,000,000 pages (drum/developer) CMY up to 165,000/1,000,000 pages (drum/developer)
Power consumption	220-240 V / 50/60 Hz; Less than 2.00 kW
System dimension (W x D x H)	615 x 688 x 961 mm (without options)
System weight	Approx. 100.0 kg (without options)

**PRINTER SPECIFICATIONS**

Print resolution	1,800 (equivalent) x 600 dpi; 1200 x 1200 dpi
Page description language	PCL 6 (XL3.0); PCL 5c; PostScript 3 (CPSI 3016); XPS
Operating systems	Windows 10 (32/64); Windows 11; Windows Server 2012; Windows Server 2012 R2; Windows Server 2016; Windows Server 2019; Windows Server 2022; macOS 10.14 or later; Unix; Linux; Citrix
Printer fonts	80 PCL Latin; 137 PostScript 3 Emulation Latin; Barcode fonts (optional); OCR A and B fonts (optional); Unicode fonts (optional)
Mobile printing	AirPrint (iOS); Mopria (Android); Konica Minolta Mobile Print (iOS/Android) optional: WiFi Direct

**PRINTER SPECIFICATIONS (OPTIONAL)**

Print controller	Embedded Fiery IC-420 v2
Controller CPU	Intel Celeron G4900T @ 2.9 GHz
Memory/HDD	4,096 MB / 500 GB
Page description language	Adobe PostScript 3 (CPSI 3020); PCL 6; PCL 5c
Operating systems	Windows 7 (32/64); Windows 8.1 (32/64); Windows 10 (32/64); Windows 11; Windows Server 2022; macOS 10.14 or later

**SCANNER SPECIFICATIONS**

Scan speed	Up to 140/140 ipm in simplex (mono/colour) Up to 280/280 ipm in duplex (mono/colour)
Scan resolution	Up to 600 x 600 dpi
Scan modes	Scan-to-eMail (Scan-to-Me); Scan-to-SMB (Scan-to-Home); Scan-to-FTP; Scan-to-Box; Scan-to-USB; Scan-to-WebDAV; Scan-to-DPWS; Scan-to-URL; TWAIN scan
File formats	JPEG; TIFF; PDF; Compact PDF; Encrypted PDF; XPS; Compact XPS; PPTX; PDF/A 1a and 1b optional: Searchable PDF; Searchable DOCK/PPTX/XLSX
Scan destinations	2,000 destinations + 100 groups; LDAP support

**COPIER SPECIFICATIONS**

Copy resolution	600 x 600 dpi
Gradation	256 gradations
Multicopy	1-9,999

**COPIER SPECIFICATIONS**

Original format	Max. A3
Magnification	25-400% in 0.1% steps; Auto-zooming

**FAX SPECIFICATION**

Fax standard	Super G3 (optional)
Fax transmission	Analogue; i-Fax; Colour i-Fax; IP-Fax
Fax resolution	Up to 600 x 600 dpi
Fax compression	MH; MR; MMR; JBIG
Fax modem	Up to 33.6 Kbps
Fax destinations	2,000 single + 100 groups

**USER BOX SPECIFICATIONS**

Storable documents	Up to 3,000 documents or 10,000 pages
Type of user boxes	Public; Personal (with password or authentication); Group (with authentication)
Type of system boxes	Secure print; Encrypted PDF print; Fax receipt; Fax polling

**SYSTEM FEATURES**

Security	ISO15408 Common Criteria (in evaluation); IP filtering and port blocking; SSL3 and TLS1.1/1.2/1.3 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure print; Kerberos; Hard drive overwrite; Hard drive data encryption (AES 256); Confidential fax; Print user data encryption optional: Antivirus realtime scanning (Bitdefender®)
Accounting	Up to 1,000 user accounts; Active Directory support (user name + password + e-mail + smb folder); User function access definition; Authentication by mobile device (Android) optional: Biometric authentication (finger vein scanner); ID card authentication (ID card reader); Authentication by mobile device (iOS)
Software	Data Administrator; Web Connection; HDD Backup Utility; Driver Packaging Utility; Log Management Utility; Font Management Utility; Download Manager

<sup>1</sup> Warm-up time may vary depending on the operating environment and usage

<sup>2</sup> If the maximum volume is reached within a period of one year, then a maintenance cycle must be performed

- All specifications refer to A4-size paper of 80 g/m<sup>2</sup> quality.
- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- The stated life expectancy of each consumable is based on specific operating conditions such as page coverage for a particular page size (5% coverage of A4). The actual life of each consumable will vary depending on use and other printing variables including page coverage, page size, media type, continuous or intermittent printing, ambient temperature and humidity.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.
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