



KONICA MINOLTA

**DS** Business Life Simplified

# **bizhub i-SERIES IS SMARTER WORKING**

**RETHINK IT**



**bizhub 451i**  
Black & White A3 multifunctional



Giving Shape to Ideas

## CUSTOMER BENEFITS



**Security**  
Secure network integration, data encryption, overwrite all data function, and advanced user authentication



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



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



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



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



**Services**  
Efficient printer fleet management, including automatic consumables delivery, pro-active maintenance and remote setup

## OPTIONS

### 1 ENHANCED FEATURES

- Barcode fonts  
LK-106
- Unicode fonts  
LK-107
- OCR A and B fonts  
LK-108
- Document converter pack  
LK-110v2
- ThinPrint® client  
LK-111
- Antivirus  
LK-116

### 2 CONNECTIVITY

- Fax board  
FK-514 x2
- Wireless LAN  
UK-221
- USB I/F kit  
EK-608 OR
- USB I/F kit  
EK-609
- ID card reader
- Mount kit  
MK-735



### 3 OTHERS

- Working table  
WT-506
- 10-Key pad  
KP-102
- Security kit  
SC-509
- Replacement SSD  
EM-908
- Keyboard holder  
KH-102

### 4 MEDIA INPUT

- Intelligent media sensor  
IM-103
- 1x Universal tray  
PC-116
- 2x Universal tray  
PC-216 OR
- Large capacity tray  
PC-416 OR
- Large capacity tray  
PC-417 OR
- Copier desk  
DK-516
- Large capacity tray  
LU-302 OR
- Large capacity tray  
LU-207 OR
- Banner tray  
MK-730

### 5 MEDIA OUTPUT

- |   |   |   |   |
|---|---|---|---|
| <ul style="list-style-type: none"> <li>Output tray<br/>OT-513 <span style="float: right;">OR</span></li> <li>Job separator<br/>JS-508 <span style="float: right;">OR</span></li> <li>Off-line stapler<br/>FS-P04</li> </ul> | <ul style="list-style-type: none"> <li>Inner finisher<br/>FS-533 <span style="float: right;">OR</span></li> <li>Attachment kit<br/>MK-607</li> <li>Punch kit for FS-533<br/>PK-519</li> </ul> | <ul style="list-style-type: none"> <li>Staple finisher<br/>FS-539 <span style="float: right;">OR</span></li> <li>Relay unit<br/>RU-513 <span style="float: right;">OR</span></li> <li>Booklet finisher<br/>FS-539SD</li> <li>Relay unit<br/>RU-513</li> <li>Punch kit for FS-539/SD<br/>PK-524</li> </ul> | <ul style="list-style-type: none"> <li>Staple finisher<br/>FS-540 <span style="float: right;">OR</span></li> <li>Relay unit<br/>RU-513 <span style="float: right;">OR</span></li> <li>Booklet finisher<br/>FS-540SD</li> <li>Relay unit<br/>RU-513</li> <li>Punch kit for FS-540/SD<br/>PK-526</li> <li>Post inserter for FS-540/SD<br/>PI-507</li> <li>Job separator for FS-540/SD<br/>JS-602 <span style="float: right;">OR</span></li> <li>Z-fold unit for FS-540/SD<br/>ZU-609</li> </ul> |
|---|---|---|---|

#### 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 | Three-hole punching | Duplex | Combined mixplex/mixmedia | Half-fold | Sheet insertion | Tri-fold | Booklet | Offset sorting | Z-fold | Banner printing | Corner Stapling (offline) |

## DESCRIPTION

### ENHANCED FEATURES

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-116 Antivirus	Bitdefender® antivirus provides real time scanning of all incoming and outgoing data

### 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
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
KP-102 10-Key pad	For use instead of touchscreen
SC-509 Security kit	Copy guard function
EM-908 Replacement SSD	1 TB SSD to increase storage space
KH-102 Keyboard holder	To place USB keyboard

### MEDIA INPUT

IM-103 Intelligent media sensor	Auto detects paper weight and type
PC-116 1x Universal tray	500 sheets, 5.5" x 8.5" - 11" x 17" / 52-256 g/m <sup>2</sup>
PC-216 2x Universal tray	2x 500 sheets, 5.5" x 8.5" - 11" x 17" / 52-256 g/m <sup>22</sup>
PC-416 Large capacity tray	2,500 sheets, 8.5" x 11" / 52-256 g/m <sup>2</sup>
PC-417 Large capacity tray	1,500 + 1,000 sheets, 5.5" x 8.5" or 8.5" x 11" / 52-256 g/m <sup>2</sup>
LU-302 Large capacity tray	3,000 sheets, 8.5" x 11" / 52-256 g/m <sup>2</sup>

### MEDIA INPUT

LU-207 Large capacity tray	2,500 sheets, 8.5" x 11" - 12" x 18" / 52-256 g/m <sup>2</sup>
MK-730 Banner tray	Multipage banner feeding

### MEDIA OUTPUT

OT-513 Output tray	Output tray used instead of finisher
JS-508 Job separator	Separation of fax output; etc.
FS-533 Inner finisher	50-sheet stapling, 500 sheets max. output
MK-607 Attachment kit	For FS-533 installation
PK-519 Punch kit for FS-533	2/3-hole punching, auto switching
FS-539 Staple finisher	50-sheet stapling; 3,200 sheets max. output
FS-539SD Booklet finisher	50-sheet stapling; 20 sheets booklet finisher; 2,200 sheets max. output
PK-524 Punch kit for FS-539/SD	2/3-hole punching; auto switching
FS-540 Staple finisher	100 sheets stapling; 3,200 sheets max. output
FS-540SD Booklet finisher	100-sheet stapling; 20 sheets booklet finisher; 2,700 sheets max. output
PK-526 Punch kit for FS-540/SD	2/3-hole punching; auto switching
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 11" x 17" prints
FS-P04 Off-line stapler	20-sheet off-line stapling

## TECHNICAL SPECIFICATIONS

### SYSTEM SPECIFICATIONS

System speed 8.5" x 11"	Up to 45 ppm
System speed 11" x 17"	Up to 22 ppm
Autoduplex speed 8.5" x 11"	Up to 45 ppm
1st page out time 8.5" x 11"	3.8 sec.
Warm-up time	Approx. 15 sec. <sup>1</sup>
Imaging technology	Laser
Toner technology	Simitri® HD polymerized 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)
Automatic document feeder	Up to 300 originals / 5.5" x 8.5" - 11" x 17" / 35-210 g/m <sup>2</sup> / Dual scan ADF
ADF double feed detection	Standard
Printable paper size	3.5" x 5.5" - 12" x 18" / customized paper sizes / banner paper max. 47.2" x 11.7"
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)	1 x 500 / 3.5" x 5.8" - 11" x 17" / custom sizes / 52-256 g/m <sup>2</sup> 1 x 500 / 5.5" x 8.5" - 12" x 18" / custom sizes / 52-256 g/m <sup>2</sup>
Paper tray input (optional)	1 x 500 / 5.5" x 8.5" - 11" x 17" / 52-256 g/m <sup>2</sup> 2 x 500 / 5.5" x 8.5" - 11" x 17" / 52-256 g/m <sup>2</sup> 1 x 2,500 / 8.5" x 11" / 52-256 g/m <sup>2</sup> 1 x 1,500 + 1 x 1,000 sheets / 5.5" x 8.5" or 8.5" x 11" / 52-256 g/m <sup>2</sup>

### SYSTEM SPECIFICATIONS

Large capacity tray (optional)	1 x 3,000 / 8.5" x 11" / 52-256 g/m <sup>2</sup> 1 x 2,500 / 8.5" x 11" - 12" x 18" / custom sizes / 52-256 g/m <sup>2</sup>
Manual bypass	150 sheets / 3.5" x 5.5" - 12" x 18" / 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	4.1" x 5.5" - 12" x 18" / 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
Tri-fold	Max. 3 sheets
Tri-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)	Max. <sup>2</sup> 200,000 pages
Toner lifetime	Black up to 24,000 pages
Imaging unit lifetime	Black up to 240,000/1,000,000 pages (drum/developer)
Power consumption	110-120 V / 60 Hz, Less than 1.6 kW
System dimension (W x D x H)	24.2" x 27.1" x 37.8" (without options)
System weight	Approx. 220 lb (without options)

## PRINTER SPECIFICATIONS

Print resolution	1,800 (equivalent) x 600 dpi; 1200 x 1200 dpi
Page description language	PostScript 3 (CPSI 3016); PCL 6 (XL3.0); PCL 5c; 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
Mobile printing	Konica Minolta Print Service (Android); Konica Minolta Mobile Print (iOS/Android); AirPrint (iOS); Mopria (Android) optional: Wi-Fi Direct

## SCANNER SPECIFICATIONS

Scan speed	Up to 140 ipm in simplex (mono) Up to 280 ipm in duplex (mono)
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; PPTX optional: Searchable PDF; PDF/A 1a and 1b; Searchable DOCX/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
Original format	Max. 11" x 17"
Magnification	25-400% in 0.1% steps; Auto-zooming

## FAX SPECIFICATION

Fax standard	Super G3 (optional)
Fax transmission	Analog; i-Fax; Color i-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	ISO 15408 HCD-PP Common Criteria (in evaluation); IP filtering and port blocking; SSL3 and TLS1.0/1.1/1.2 network communication; IPsec support; IEEE 802.1x support; User authentication; Authentication log; Secure print; Kerberos; Overwrite all data function; SSD self-encryption (AES 256)/ Storage lock password; Confidential fax; Print user data encryption
Security function (optional)	Antivirus realtime scanning (Bitdefender®); Copy protection (Copy Guard, Password Copy)
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) ID card authentication (ID card reader); Authentication by mobile device (iOS)
Software	Net Care Device Manager; Data Administrator; Web Connection; Log Management Utility

<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 8.5" x 11"-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 8.5" x 11"). 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.
- Konica Minolta does not warrant that any specifications mentioned will be error-free.
- All brand and product names may be registered trademarks or trademarks of their respective holders and are hereby acknowledged.

**Simitri HD**  
High Definition Polymerized Toner

**SAP**® Printer Vendor Solution



For complete information on Konica Minolta products and solutions, please visit: [CountOnKonicaMinolta.com](https://www.konicaminolta.com)

© 2024 KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC. All rights reserved. Reproduction in whole or in part without written permission is prohibited. KONICA MINOLTA, the KONICA MINOLTA logo and bizhub are registered trademarks or trademarks of KONICA MINOLTA, INC. All other product and brand names are trademarks or registered trademarks of their respective companies or organizations. All features and functions described here may not be available on some products. Design & specifications are subject to change without notice.

**DS** Business Life Simplified

Document Solutions  
151 Sumner Avenue, Kenilworth, New Jersey 07033

NY | NJ | PA

NJ: 908.653.0600 NY: 212.468.5200

service@dsbls.com  
www.dsbls.com