



KONICA MINOLTA

# **bizhub** **160/161** Series

“ I’m at the Hub.”

Compact, multifunctional desktop units with advanced network connectivity and fast output of 16 pages/min.\*



The essentials of imaging

# A Leap Forward in Business Communication



A multifunctional, compact and powerful business hub, the bizhub 160/161 series takes care of the breadth of your office needs. We've incorporated all of the key office equipment functions — copier, printer, scanner, and fax\* — into a single unit.

With increased network functions and durability, the bizhub 160/161 series permits your office to gain the benefits of great network connectivity for seamless information distribution. With precise business communication any business will grow.

Make the hub work for you.

\* 160f/161f only.

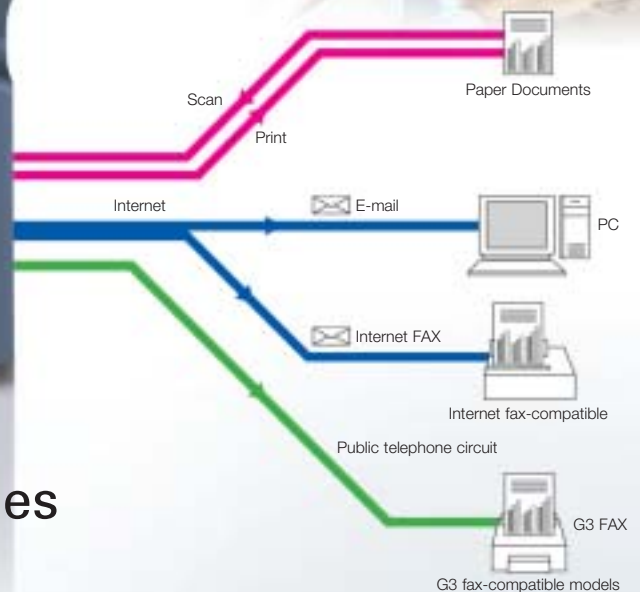


***The core benefits inherent in all Konica Minolta bizhub products.***

Ubiquity. Data assets. High technology. At Konica Minolta, strict attention is always focused on ensuring that these three benefits are the heart of every bizhub product. Because it's these core benefits that empower you with the freedom to do business more intelligently.

## Paper Documents and Electronic Data Working in Unison

Any office needs to maximise its efficiency by sorting information into paper documents and electronic data. Information that needs to be saved or distributed, especially widely, should be in electronic form. Information that is used for quick reference needs to be on paper. The 160/161 series helps you organise your data in the way that makes it easiest to use.



## bizhub 160/161 Series

### Scanning Functions

**Standard Colour Scanner** 160 160f 161 161f

While the 160/161 series is a black-and-white machine, a TWAIN-compatible colour scanner comes standard. It can provide colour documents without the need to purchase a separate flatbed scanner. With the additional realism of colour, scanned data can add extra power to any document.

**Scan to E-mail/Scan to FTP\*** 160f 161f

With Scan to E-mail, attaching scanned data to an e-mail is quite simple. Scan and send information with user-friendly, standard TIFF/PDF formats. This function lets you send data quickly and helps increase business efficiency. Scan to FTP lets you upload scanned data to an FTP server giving you a convenient way to create a data-sharing environment within your work group.

For speedy scanning, use the Automatic Document Feeder (ADF) that holds up to 50 originals. Continuous scanning of all 50 sheets is possible.

\* The optional Network Interface Card NC-501 and Scanner Unit SU-502 are required.

# Printing Functions

## Enhanced Printing 160 160f 161 161f

Equipped with both parallel port and USB interfaces, the 160/161 series lets you output data from a wide range of PCs quickly and smoothly. Versatile printing options such as watermarks and N-up printing, which enables printing of up to 16 pages onto one sheet, reduce time and paper consumption.

## GDI Printer 160 160f

Offering full GDI support, the 160 and 160f print from a Windows PC at a quick 16 pages/min. at 300dpi and 12 pages/min. at the higher-quality 600dpi.

## PCL Printer 161 161f

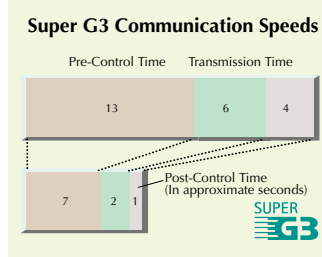
The 161 and 161f are equipped with a PCL printer, which offers 16 pages/min. output at 1200dpi equivalent x 600dpi superior image quality and a RIP Once function for increased productivity. The PCL printer expands your printing options and allows for advanced functionality that can save time.



# Fax Functions

## Super G3 Fax 160f 161f

The 160f and 161f serve as Super G3 faxes with standard JBIG data compression/decompression. Faxes can be sent in approximately 3 seconds\*1 over ordinary telephone lines.



## Speed Dial and Broadcast Function 160f 161f

Register up to a maximum of 231 recipients — 200 on Speed Dial and 15 on One-Touch Dial — for easy and quick faxing. You can also enter up to 16 recipients on the Ten Key Dialing, and the same faxes or e-mails can be sent simultaneously to all destinations.

Note: An e-mail environment is required for forwarding to e-mail addresses.

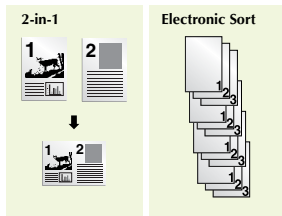
# Convenient Functions

## Paper Handling 160 160f 161 161f

The 160/161 series can store a maximum of 750 sheets, thanks to an optional tray that can hold up to 500 sheets and a bypass tray that can hold up to 10 sheets. Load labels, envelopes, OHP film and other paper types onto the bypass tray for specialised document output.

## A Variety of Functions

The ADF\* enables 2-in-1 copying for copying two pages onto a single sheet of paper and an electronic sorting function that eliminates the need for tedious manual sorting. Additional



features include a copy speed of a swift 16 pages/min. and a wide zoom range of 25% – 400% of the original document. All of these versatile and convenient functions support a smooth workflow.

\* Comes standard with the 160f/161f, and as an option for the 160/161.

# Document Output

## Superior Imaging 160 160f 161 161f

Capable of producing 600dpi x 600dpi image quality, the 160/161 series enhances fine detail and makes text more legible. In the photo mode, the units are able to reproduce rich halftones.



## Fax Forwarding 160f 161f

Forward your received faxes to specified recipients without the need to print them. You can also forward your faxes as an e-mail attachment\*2.

Note: An e-mail environment is required for forwarding to e-mail addresses.

## Direct Fax from PC\*3 160f 161f

This function allows you to send documents directly from a PC to a fax outside your workplace, thereby reducing image degradation and the need to print before faxing.

## Internet Fax\*2 160f 161f

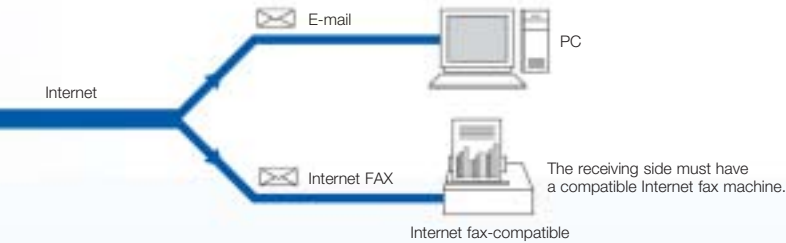
The 160f and 161f also let you send and receive faxes over the Internet. This can mean lower costs when faxing a document to a long-distance location.

Note: An e-mail environment is required for forwarding to e-mail addresses.

\*1 Calculated when sending an A4 page containing approx. 700 characters at standard image quality. This includes only the time spent for electronic transmission of image data, and does not include paper feed or output times.

\*2 The optional Network Interface Card NC-501 and Scanner Unit SU-502 are required.

\*3 The optional Unimessage Pro and Unimessage I-net Portal applications are required. (Availability may differ depending on regions.)



# Cost-effective & User-friendly



## Universal Design Specifications Control Panel

Thanks to the 160/161 series' universal design, the control panel is easy to see and use. By paying meticulous attention to details — as seen in the large, smartly-positioned buttons, and displaying function descriptions in white characters against a dark grey panel — we've made the 160/161 series amazingly simple to operate.

## Front Access

Most functions that require handling by users are concentrated in the front of the units, offering convenient front access in order to replace paper and toner as well as clearing paper misfeeds.

## Integrated Cartridge

To save on running costs, the 160/161's toner and drum cartridges are separate units. This setup maximises the durable drum cartridge's life span, allowing you to fully utilise it.



## Four models to choose from:

- Features**
- Standard equipment
  - + Optional
  - Unavailable



160



160f



161



161f

	160	160f	161	161f
<b>Copy</b>	Automatic Document Feeder	+	•	+
	Electronic Sort/2-in-1 Copy	+	•	+
<b>Scan</b>	Colour TWAIN	•	•	•
	Scan to E-mail/Scan to FTP	-	+	+
<b>Print</b>	GDI	•	•	-
	Network GDI	-	+	-
	PCL	-	-	•
	Network PCL	-	-	+
<b>Facsimile</b>	Super G3	-	•	•
	Fax Forwarding Function	-	+	+
	Internet Fax	-	+	+
	Direct Fax from PC*	-	+	+

\* The optional Unimessage Pro and Unimessage I-net Portal applications are required. (Availability may differ depending on regions.)

## bizhub 160/160f/161/161f Specifications

### General

Standard Functions	160/161	Digital Copier/Printer/Colour Scanner
	160f/161f	Digital Copier/FAX/Printer/Colour Scanner
Type		Desktop
Process		Laser Electrostatic
Memory	Standard	16MB
	Optional	32MB
Gradation		256 levels
Type of Originals		Sheets, Books
Original Size		Max. A4 (Legal)
Paper Capacity	Standard	250 sheets (Multi-purpose Tray) + 10 sheets (Bypass)
	Optional	500 sheets (Second paper cassette)
Output Size		A6 to A4 (Legal) (3-1/2" x 5-1/2" to 8-1/2" x 14")
Materials		Plain paper (60 – 90g/m <sup>2</sup> ), Recycle paper (60 – 90g/m <sup>2</sup> ), Thick paper (91 – 163g/m <sup>2</sup> )*, OHP transparencies*, Letterhead*, Laser-quality labels*, Envelopes* * Multi-purpose Tray, Bypass
Warm-up Time		Less than 25 sec.
First Copy Speed		Less than 13 sec. (Fastest 8 sec.)
Copy Speed		16 pages/min.
Resolution		1200dpi equivalent x 600dpi
1-to-1 Speed		12 pages/min.
Multiple Copy		Up to 99 sheets
Magnification		x0.25 – x4.0 (Adjustable in 0.01 steps)
Exposure Modes		Text Mode, Photo Mode, Auto Mode
Power Requirement		220-240V, 3.8A (50/60Hz)
Power Consumption		850W or less
Dimensions (W x H x D)	160/161	508 x 608 x 408mm (20" x 24" x 16")
	160f/161f	508 x 608 x 468mm (20" x 24" x 18-1/2")
Weight	160/161	14.9kg (32-3/4 lb.)
	160f/161f	17.3kg (38-1/4 lb.)

### Standard Colour Scanner

Type	Colour Scanner
Resolution	150dpi x 150dpi, 300dpi x 300dpi, 600dpi x 600dpi
Supported OS	Windows 98/Me/2000/XP
Driver	TWAIN
Interface	USB1.1
File Format	TIFF, PDF

### Facsimile (bizhub 160f/161f)

Adaptation Circuit	General Circuit, PBX (Internal Circuit)	
Modem Speed	33,600/31,200/28,800/26,400/24,000/21,600/19,200/16,800/14,400/12,000/9,600/7,200/4,800/2,400bps (Automatic fallback)	
Transmission Speed	Less than 3 sec.	
Scanning Resolution	Standard	204dpi x 98dpi
	Fine	204dpi x 196dpi
	Super Fine	408dpi x 392dpi
Max. Document Size	A4	
Recording Size	A4	
Compatibility	G3, Super G3, (F Code)	
Data Compression Method	MH/MR/MMR/JBIG	
Speed Dial	200	
Programme Dial	4	
One-Touch Dial	15	
Transmitting Functions	Book Transmission, Timer Transmission, Confidential Mailbox Transmission, Polling Transmission, Broadcast, One-Touch Dialing, Speed Dialing, Group Dialing, Programme Dialing, Memory Transmission	
Receiving Functions	Memory Reception, Polling Reception, Confidential Mailbox Reception, Closed Network Reception	

### GDI Printer Controller (bizhub 160/160f)

Type	Embedded	
Print Speed	12 pages/min. (600dpi), 16 pages/min. (300dpi)	
Resolution	600dpi x 600dpi, 300dpi x 300dpi	
Supported OS	Windows 98/Me, Windows NT4.0/2000/XP/Server 2003	
Interface	Standard	IEEE1284, USB1.1
	Optional	Ethernet (100Base-TX/10Base-T)
Network Protocol*	TCP/IP, IPX/SPX * Optional Network Interface Card NC-501 is required.	
Memory	Standard	16MB (Shared with copier)
	Optional	32MB (Shared with copier)
Fonts	Windows Standard Fonts	

### PCL Printer Controller (bizhub 161/161f)

Type	Embedded	
Print Speed	16 pages/min. (600dpi)	
Resolution	1200dpi equivalent x 600dpi, 600dpi x 600dpi	
Supported OS	Windows 98/Me, Windows NT4.0/2000/XP/Server 2003	
Interface	Standard	IEEE1284, USB1.1
	Optional	Ethernet (100Base-TX/10Base-T)
Network Protocol*	TCP/IP, IPX/SPX * Optional Network Interface Card NC-501 is required.	
Memory	Standard	16MB
	Optional	64MB, 128MB
PDL	PCL6	
Fonts	PCL Fonts 53	

### Scanner Unit (SU-502)

<Scanning Functions>		
Functions	Scan to E-mail, Scan to FTP	
Resolution	150dpi x 150dpi, 300dpi x 300dpi, 600dpi x 600dpi	
Protocols	TCP/IP, SMTP, FTP	
E-mail Format	MIME	
Data Format	TIFF, PDF	
<Internet Fax Functions>		
Transmission Mode	Simple Mode	
Protocols	TCP/IP, SMTP, POP3	
E-mail Format	MIME	
Data Format	TIFF-F	
Data Compression Mode	MH/MR/MMR	
Document Size	A4	
Scan Resolution	Send	204dpi x 98dpi, 204dpi x 196dpi, 204dpi x 392dpi
	Receive	200dpi x 100dpi, 200dpi x 200dpi, 204dpi x 98dpi, 204dpi x 196dpi, 204dpi x 392dpi, 408dpi x 392dpi

### System Options

Automatic Document Feeder DF-501	Paper Feed Unit PF-501
Mechanical Counter MC-502	Unimessage Pro*
Expanded Memory Unit for copier/fax/GDI EM-101 (32MB)	Unimessage I-net Portal*
Scanner Unit SU-502	Expanded Memory for PCL (64MB/128MB)*
Network Interface Card NC-501	* Availability may differ depending on regions.

### Product appearance, configuration and/or specifications are subject to change without notice.

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\* As an ENERGY STAR Partner, KONICA MINOLTA BUSINESS TECHNOLOGIES, INC. has determined that this product meets the ENERGY STAR guidelines for energy efficiency. \* ENERGY STAR is a U.S. registered mark.

### Konica Minolta copiers and multi-functional peripherals are designed with the environment in mind.



- Meets ENERGY STAR Guidelines
- Production at ISO-Certified Facilities

### Requirements for safe use

- Please read and follow the instruction manual to ensure safe operation.
- Only operate using appropriate power supply and voltage.
- Connecting the earth wire to an inappropriate place may cause explosion or electric shock. Please connect accordingly (Taiwan and the Philippines only).

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