WORKIO™

DIGITAL IMAGING SYSTEMS

2500

Panasonic

DP-2500

- **25 cpm/25 ppm digital copier/printer**
- **Network printer capability**
- **Internet Fax capability**
- **Dual-line Super G3 fax transmission**

Digital
Convergence
GetsReal

WORKiO – Where Paper and Digital Converge

Office digitisation has transformed the workplace — saving time and making it possible to manage more data more efficiently. But has it really made your job any easier? After all, now there's more equipment to deal with than ever — photocopiers, faxes, printers, scanners, computers... Not to mention the daily deluge of e-mail and fax-based communications you have to sift through and organise. With so many PC-based digital files and paper documents piling up, managing your document workflow is getting tougher and tougher.

So wouldn't it be great if there was a way to manage all of your document transactions with a single, standardised system? A system that would accept both digital and paper-based analogue inputs and output them in whatever format required? A system that finally does what digitisation has promised all along — make your job easier?

Happily, there is such a system.

WORKiO — The Digital Imaging Systems for the next-generation office.

WORKiO is all about **"convergence".** It's about bringing together all the different media and formats used today for document processing, distribution and communications and consolidating them in a single unit so you can reduce your equipment overheads and free up valuable office space. It's about integrating your document workflow into a single, seamless process so you can work more quickly and efficiently. And it's about a breakthrough in design that makes all of this possible without sacrificing performance or ease of use. From copying and printing to faxing and even e-mail, WORKiO is the one-stop control centre for all documents — whether they're paper or digital.

Better yet, WORKiO is designed to be as flexible and adaptable as you are. Its modular design lets you choose the options you need, configuring exactly the system that best suits your needs today, and leaving you with the opportunity to upgrade as your requirements grow.

With WORKiO, you get all the power of big business office systems in a single, compact, easy-to-use unit that easily handles all your document processing requirements. Whether it's paper documents or PC based digital data — WORKiO does everything **from input to output.** As the hub of the networked office, WORKiO keeps busy instead of keeping you busy.

WORKiO from Panasonic — True convergence. Total integration.

WORKiO
Works for you!
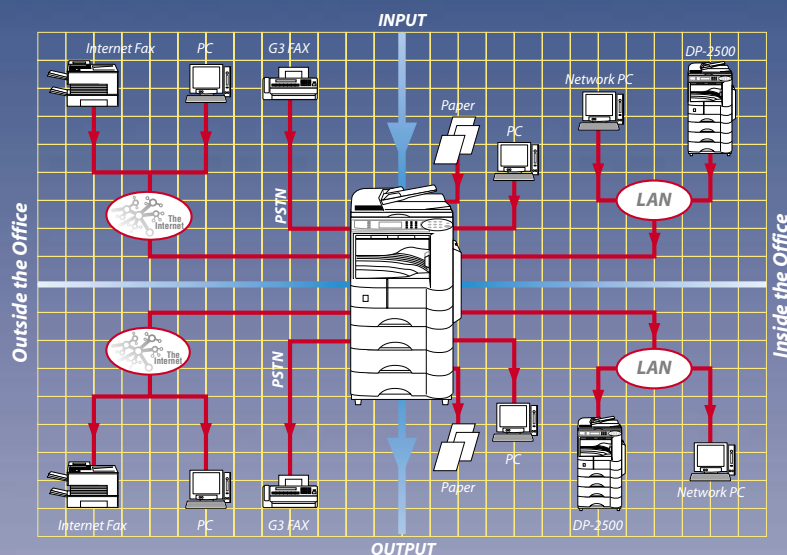
At Last — True Paper/Digital Integration

Panasonic proudly introduces its next-generation line of office equipment — WORKiO 2500.

From copying and printing to faxing and e-mail, the network-ready WORKiO 2500 does it all. It's a high-speed 25 cpm digital **copier**, network-capable high-resolution A3-size laser **printer/scanner**, dual-line Super G3 **facsimile** and even an **internet fax** — all packed into a single, compact unit. Featuring a unique new design with *inner paper output system* and slim, wingless body, the WORKiO 2500 has a far smaller footprint than you'd expect from a unit this powerful.

Thanks to WORKiO 2500's *modular design*, you won't pay for features you don't need — you can customise it to meet your specific requirements. A full array of paper-feed and finishing options are available, as well as a variety of function-enhancing options, so you can upgrade the WORKiO 2500 when and as you need. From a basic digital copier/printer/scanner to a combination fax — or even an internet fax via your local area network — the WORKiO 2500 is the one-stop expandable solution for all your business needs.

And even though the WORKiO 2500 is designed to handle a wide variety of tasks, it won't slow you down. With its *multi-access operation* design, there are never any bottlenecks. Multiple tasks can be performed simultaneously, while Panasonic's exclusive Document Management System software lets you handle most tasks without leaving your desk. The result is maximum productivity with minimum effort.

The WORKiO 2500 — it's the new-generation digital document processor that will shift your business into overdrive.

INPUT

Internet Fax · PC · G3 FAX · Paper · PC · Network PC · DP-2500 · LAN · The Internet · PSTN · Outside the Office · Inside the Office · PSTN · The Internet · LAN · Internet Fax · PC · G3 FAX · Paper · PC · DP-2500 · Network PC

OUTPUT

— *Integrated, centralised document processing makes WORKiO the nucleus of the networked office —*

WORKiO
DIGITAL IMAGING SYSTEMS
2500

High-Speed Digital Copier

— Why Can't You Have Both Speed And Quality? You Can.

High-speed copying capability

At its core, the WORKiO 2500 is a workgroup-scale digital copier capable of delivering up to **25 copies per minute** (A4 portrait). **"Scan once, print many"** design allows you to produce as many copies as you like, without having to re-scan the original. With a **fast first copy time of 4.5 seconds** and lightning output, the WORKiO 2500 never keeps you waiting.

Superior detail reproduction

The WORKiO 2500 boasts high-quality **600 dpi image resolution** that assures impeccable copies with clear, crisp image reproduction and fine details. Even half-tone photographs can be reproduced with precision thanks to the **256-level grey scale** capability.

Convenient digital image processing features

Panasonic's unique **Digital Sky Shot** is especially convenient for copying small-sized originals like bank cheques. You can even reproduce documents with unusual shapes — round, oval, etc. — as is without generating any unnecessary black area simply by making a copy with the platen cover open.

Other valuable digital copying features that will help accelerate document production include **4-in-1/2-in-1 Copying** for copying multiple originals on a single sheet, **X-Y Zooming** for specification of enlargement/reduction ratios, and **Image Rotation** for accurate copies regardless of the paper orientation.
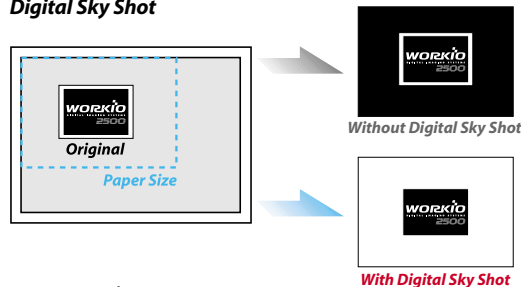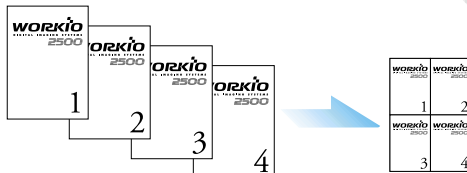
Digital Sky Shot

Original
Paper Size

Without Digital Sky Shot

With Digital Sky Shot

4-in-1 copying

1
2
3
4

1 2
3 4
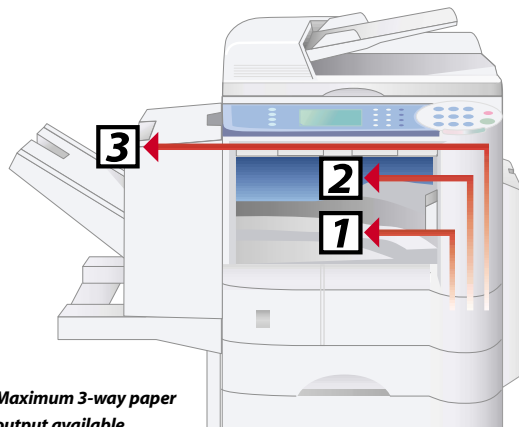
Image rotation

Inner paper output design

The **inner paper output design** allows the WORKiO 2500 to have a compact, wingless body that is still capable of handling a huge paper capacity of **up to 2,250 sheets**. Thanks to the built-in **automatic duplex unit (standard for the DP-2500E, optional for the DP-2500P)**, this high paper capacity is maintained even when **2-sided printing** is required.

A variety of paper outputs

With the optional inner paper output tray, you can take advantage of two-way paper output methods. And if you add an outer output tray or finisher, you'll have as many as **three different paper output** methods, making it possible to sort output by the copier, printer or fax separately. With the finisher option, you'll also get various sorting capabilities such as **shifted sorting** or **stapling**.

Space-saving inner paper output

Maximum 3-way paper output available

Network-Ready High Resolution Printer
— Just Connect To Your PC, Click The Mouse... And You're Ready To Go!

Networkable 25-ppm A3 laser printer

The WORKiO 2500 comes standard with a *parallel interface built in* for direct connection to PC. So you can immediately get a high-speed *25 ppm laser printer* with a high 600 x 600 dpi resolution. Unlike most PC printers, the WORKiO 2500 can handle larger paper sizes up to A3 size. And the optional *10Base-T/100Base-TX Ethernet* Interface turns WORKiO 2500 to a network printer, allowing everyone in the office to access WORKiO 2500 from any PC on your LAN network. For users who require high-performance PC printing, the optional *PCL6** emulation kit is also available.

* Supports European character fonts, including Latin 1 code sets.

A3-size scanner with exclusive software

With a PC connected, WORKiO 2500 also functions as a TWAIN-compatible *image scanner* with high 600 dpi resolution, allowing you to easily convert paper documents up to A3 size into PC data. 256-level grey scale capability assures accurate reproduction of images and text. The provided *Panasonic Document Management System* software makes it easy to store and view scanned data on your PC. The user-friendly GUI screen with thumbnail images allow easy "drag & drop" operation such as printing or launching e-mail client with the attachment specified — all via simple mouse operation. You can even edit scanned documents with the handy annotation function included in the Image Viewer.

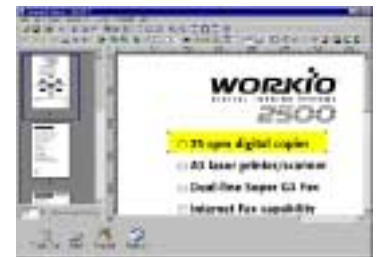**Easy document management with exclusive software**

Thumbnail display

Image viewer with annotation

State-Of-The Art Super G3 Fax
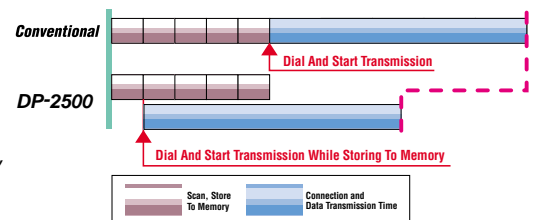
SUPER G3 *with JBIG Compression*

— Simple Operation And Quick Transmission Make This The Perfect Business Fax!!

High-speed fax transmission

With the fax communication kit option, you can transform your WORKiO 2500 into a high-speed *Super G3* fax that transmits a page in about 3 seconds. Besides faster transmission, prep time is also much shorter, thanks to *0.7-sec. Quick-Scan[†2]*. And when you send multiple pages, the *Quick Memory Transmission* saves time by connecting to the receiver and beginning transmission while still collecting data.

†2 A4 portrait scanned in fine or standard mode

Conventional — Dial And Start Transmission

DP-2500 — Dial And Start Transmission While Storing To Memory

Scan, Store To Memory / Connection and Data Transmission Time

Unique faxing conveniences

The WORKiO 2500's versatile document handling capability allows you to send or receive large-sized documents up to *A3 size*. And with its flatbed scanner, you can fax just about anything including pages from *books or magazines*. By adding the optional Inverting Automatic Document Feeder and Automatic Duplex Unit, you can also take advantage of *duplex scanning/transmission* and *duplex printing* of received documents.

Easy faxing of books

Multi-access operation

With *multi-access operation*, you don't have to wait for one operation to complete before starting the next one. With the WORKiO 2500, you can receive fax documents even when the WORKiO 2500 is already engaged in a copying job.

Dual-line communication capability

Simply install the optional 2nd G3 Fax Communication Port Kit and you'll have *two communication lines* available. Each line can be operated independently so you can take advantage of *simultaneous transmission/reception* or assign one line exclusively to transmission and the other to reception.
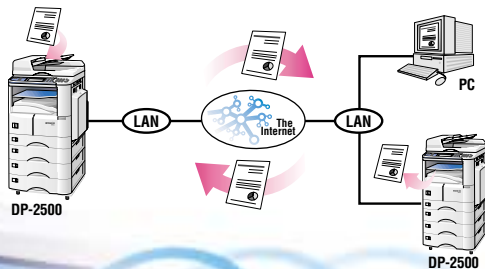
Internet Fax Ready

FAX over the Internet.

— Leveraging The Internet To Create A Seamless Connection Between Faxes And E-mail!

Fax as e-mail

With the Internet Fax option[†3], the WORKiO 2500 converts paper documents into image files and **transmits them as e-mail attachments** via your local area network (LAN). You can send the document directly from the WORKiO 2500 to other internet faxes or even multiple e-mail clients worldwide at the touch of a button.

DP-2500
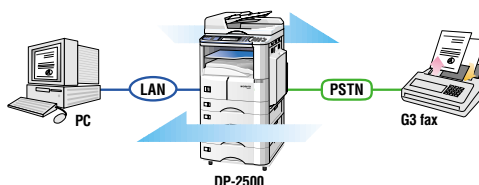LAN — The Internet — LAN — **PC**
DP-2500

Paperless fax delivery

Image files sent from the WORKiO 2500 as e-mail attachments can easily be opened and displayed using your existing image viewer (i.e., Imaging for Windows®) or by installing the free, high-quality Panasonic TIFF-Viewer [†4], so there's no need to print out faxes unless you need to.
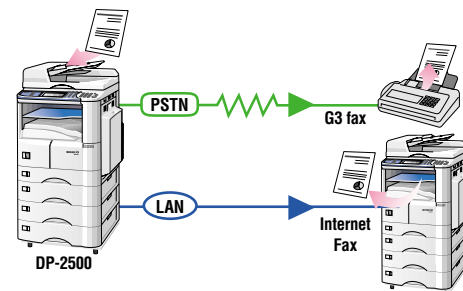
Fax/e-mail gateway

The WORKiO 2500's **fax/e-mail gateway function** automatically routes received faxes to the designated recipient's e-mail inbox. And the documents sent from a PC via the LAN can also be transmitted to the G3 fax machine. True paperless faxing is now possible.

PC — LAN — **DP-2500** — PSTN — **G3 fax**

E-mail/G3 fax mixed broadcast

By using both LAN and PSTN lines at the same time, you can **simultaneously send documents as both e-mail and faxes**. Since you don't need to worry about which destinations use e-mail or facsimile, broadcast transmissions to multiple recipients are much easier and more efficient.

DP-2500 — PSTN — **G3 fax**
LAN — **Internet Fax**

†3 For Internet Fax features to function, optional Fax Communication Kit and 10/100 Ethernet Interface/Internet Fax Kit are required. May not be available in certain countries.
†4 Panasonic's free Windows NT® 4.0 and Windows® 2000/98/95/Me compatible TIFF Viewer, TIFF Converter and mail linking programme for MAPI (Mail Application Programme Interface) can be downloaded from the Web site below.
http://www.panasonic.co.jp/mgcs/InternetFAX/
Please read the licence agreement carefully before installing the software.
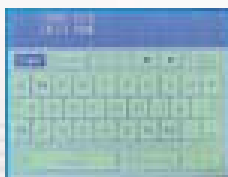
User & Environment Friendliness

— No operation hassles, no wasted energy. WORKiO's user-oriented design minimises maintenance, maximises ease of use, and does it all with minimal impact on the environment

Large touch-sensitive LCD

The user-friendly design makes even complicated tasks a snap. A comprehensive control panel with **large touch-sensitive LCD display** gives you quick access to any function with four function buttons. The **Status indicators** show the current operation mode, making it easy to see what your WORKiO 2500 is doing even from a distance. And with the virtual keyboard on the LCD panel, it's easy to enter e-mail addresses when you want to send a document as an e-mail attachment.

200-station Phone Book   **Virtual QWERTY keyboard**

Extended reliability

The **Check & Call function**[†5] automatically monitors your WORKiO 2500, and when a printer problem occurs or toner is low, it automatically sends a fax to a service centre to ensure accurate, quick-response maintenance and technical support. For further peace of mind, Panasonic's exclusive **Remote Diagnostic system**[†5] can perform a multitude of troubleshooting tasks directly from the service centre.

Remote Diagnostic System

†5 Requires fax communication kit option. May not be available in certain countries.

Energy-saving design

Even with its multi-function capability, the WORKiO 2500 is designed to keep energy consumption to a minimum. The **Energy Saver Mode** significantly reduces power consumption when the machine is idle. And when the WORKiO 2500 enters Sleep mode, power consumption drops **approx. 2.9 Wh**.

Optional Accessories

— WORKiO's Unlimited Expandability for Ultimate Convergence

DP-2500 Configuration Chart			
Function	Model	DP-2500P	DP-2500E
Printer	Local	*Standard*	*Standard*
	Network	*Optional*	*Optional*
G3 Fax		*Optional*	*Optional*
Internet Fax		*Optional*	*Optional*
2-Sided Printing		*Optional*	*Standard*
2/3-Way Paper Output		*Optional*	*Optional*

Paper Handling Options

• Inverting Automatic Document Feeder
DA-AR250

• Automatic Document Feeder
DA-AS200

* Platen cover is supplied with the DP-2500 main unit.

• 1-Bin Finisher **DA-FS200**
(Bin capacity: 1,000 sheets)
* DA-FK200, DA-FK210 (DP-2500P) and
DA-FS200S (Installation kit for 1-Bin
Finisher) are required

• Paper Transport Unit **DA-FK210**
* DA-FK200 is required

• Dual-Path Exit Guide Unit **DA-FK200**

• Automatic Duplex Unit **DA-MD200**
* DA-FK200 and DA-FK210 are required.

✻ Standard for the DP-2500E, optional for the DP-2500P.

20 mm /

Shifted sorting

Staple sorting
Number of staples Max. 30 sheets/set (A4)
Position: Upper-left corner (1 position)

• Exit Tray (Outer)
DA-XT200
(Tray capacity: 250 sheets)
* DA-FK200 and DA-FK210 are required
(DP-2500P)

• Exit Tray (Inner) **DA-XN200**
(Tray capacity: 250 sheets)

Paper Output / Model	2-Way Paper Output	3-Way Paper Output	2-Sided Printing
Dual-Path Exit Guide Unit **DA-FK200***	●	●	●
Paper Transport Unit **DA-FK210***		●	●
Automatic Duplex Unit **DA-MD200***			●
Exit Tray (Inner) **DA-XN200**	●	●	
Exit Tray (Outer) **DA-XT200**		□	
Finisher **DA-FS200**		□	

● : must be attached / □ : either one required
✻ Standard for the DP-2500E, optional for the DP-2500P.

❶ Stand for 2-tray configuration **DA-DA210**
❷ 3rd Paper Feed Module **DA-DS215**
❸ Stand for 3-tray configuration **DA-DA220**
❹ 2nd/4th Paper Feed Module **DA-DS205**
❺ Stand for 4-tray configuration **DA-DA230**

Function Enhancing Options

	G3 Fax		Network Printer	Internet Fax
	Single Port	Dual Port		
Fax Communication Kit **DA-FG230**	●	●		●
2nd G3 Fax Communication Port Kit[†6] **DA-FG231**		●		
10/100 Ethernet Interface/ Internet Fax Kit[†6,7] **DA-NE200**			●	●
PCL6 Emulation Kit **DA-PC210**			▲	

● : must be attached / ▲ : if required
†6 The 2nd G3 Fax Communication Port Kit and 10/100 Ethernet Interface / Internet Fax Kit cannot be installed at the same time

Other Options & Consumables

Image memory for Electronic Sort	**DA-SM08B** (8 MB)
	DA-SM16B (16 MB)
	DA-SM64B (64 MB)[†7]
	DA-SM28B (128 MB)[†7]
Expansion Flash Memory Card for Fax	**UE-410047** (4 MB)
	UE-410048 (8 MB)
Handset Kit[†7] (Extra mounting kit is required when 1-Bin Finisher is installed.)	**UE-403172**
Handset Mounting Kit[†7] (Required when 1-Bin Finisher is installed)	**UE-408004**
Key Counter Cable Kit	**DA-KH200**
Toner Cartridge	**DQ-TU18B**
Staple Cartridge (3000 pins x 3)	**DQ-SS200**

†7 Handset, Internet Fax and Image Memory for Electronic Sort (DA-SM64B, DA-SM28B) options may not be available in certain countries.

Major Features

Digital Copier

- Auto Magnification Selection
- Auto Paper Selection
- Job Memory (5)
- Interrupt Mode
- SADF Mode*1
- Multi Size Feed*1
- Image Rotation (90˚)
- Electronic Sort
- Rotation Sort
- Shift Sort*2
- Staple Sort*2
- OHP Interleaving Mode*1
- Image Overlay Mode
- Sky Shot Mode
- X-Y Zoom (25 - 400 %)
- Page Numbering*1
- Edge Mode
- Margin Mode
- Book Mode
- Duplex Copy 1→2*3
  2→1*4
  2→2*5
  Book→2*3
- 2 Page Copy Mode
- 2 in 1*1
- 4 in 1*1
- Booklet Mode*6

Printer/Scanner

- Duplex Printing*3
- Staple Printing*2
- Status Monitor*7
- Security Print*8

G3 Fax (Option)

- Phone Book (up to 200 stations) Tel number digits (up to 36 digits)
- Programme Dial (up to 12 Programmes)
- Intelligent Redial
- Chain Dialling
- Distinctive Ring Detector (DRD)*10
- Duplex Scanning*4
- 90˚ Rotation Transmission
- A3 Size Transmission / Reception
- Quick Memory Transmission
- Multi-station Transmission (up to 270 stations)
- Deferred Transmission
- Priority Direct Transmission
- Real-time Batch Transmission
- Receive to Memory
- Substitute Reception
- Number of memory job files (Max. 50 files)
- Edit File Mode (with View Mode)
- Automatic/Fixed Reduction
- Overlapping Print
- 90˚ Rotation Reception
- Duplex Printing*3
- Polling / Multi-station Polling
- Deferred Polling / Deferred Multi-station Polling
- Memory Polling Transmission
- Automatic Cover Sheet
- Verification Stamp*1
- Header/Total Page Print
- Transaction Journal
- Mailbox Transmission/Polling
- Mailbox Centre
- Sub-address Transmission
- Class 2 Modem

Internet Fax (Option)

- E-mail / G3 Fax Mixed Broadcast
- E-mail Relay Transmission to G3 Fax
- Inbound Routing
- Received Fax/E-mail Forward
- E-mail Header Print Selection (All or From/To/Subject only)
- Subject Line Entry
- Remote Phone Book Update via E-Mail
- E-mail Receipt Return
- 600-dpi Network Printer
- 400-dpi Network Scanner

Others

- Output to separate tray for Printing, Fax, Copy
- Multi-Task Operation
- Self Diagnostic Function
- Energy Saver Mode
- Remote Diagnostic*9,10
- Department Counter (50 departments)
- Check & Call Function*9,10

Control Panel

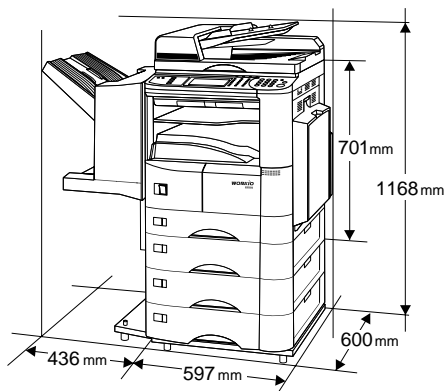
ISO 9001 Quality Management System

Every aspect of Matsushita Graphic Communication Systems, Inc. (MGCS)'s office information equipment business processes, from manufacturing to marketing, conforms to ISO (International Organisation for Standardisation) 9001 quality management system standard.

Design, development, manufacture, installation, repair and maintenance of office information equipment, their associated devices and consumables.

In addition, MGCS's plants outside Japan have acquired ISO 9002 certification.

Dimensions

701 mm
1168 mm
600 mm
436 mm
597 mm

DP-2500P/E Specifications

Basic / Digital PPC

Type	Desktop
Copy / Print Process	Laser / Electrostatic photographic method
Process	Dry type single component imaging
Warm-up Time	Approx. 35 sec.
First Copy Time	4.5 sec.
Resolution	600 dpi
Grey Scale	256 steps
Multi Copy Speed	25 cpm
Maximum Original Size	A3
Copy Size	A3, B4 Foolscap (8.5" x 13", 8" x 13"), A4, A5
Copy Ratio Enlargement (fixed)	200%, 173%, 146%, 141%, 137%, 127%, 122%, 115%, 103%
Reduction (fixed)	97%, 90%, 87%, 82%, 73%, 71%, 68%, 64%, 58%, 50%
Zoom (variable)	25 ~ 400%
Automatic Document Feeder (Option)	50 sheets (A4) / 30 sheets (A3, B4)
Paper Feed	550-sheet paper feed module x 2 + 50-sheet bypass
	Max. : 2,250 sheets with optional paper feed module x 2
Quantity Selector	1-999, Automatic reset to 1
Exposure Control	Text, Photo/Text, Photo
Page Memory Capacity	DP-2500P: 18 MB (plus 16 MB with optional ADU)
	DP-2500E: 34 MB
Sorting Memory Capacity	8 MB
Optional Memory for Electronic Sort	Base Memory plus 8 MB / 16 MB / 64 MB*10 / 128 MB*10
Power Requirements	AC 220 – 240V, 50/60 Hz Single phase
Power Consumption	Max. : Less than 1.4 kW
	Sleep mode: Approx. 2.9 Wh
Dimensions (W x D x H)	597 x 600 x 701 mm*11
Weight (Excluding optional equipment)	DP-2500E: 64 kg*11
	DP-2500P: 58 kg*11

Printer / Scanner

Printer Interface	Bi-directional Parallel (IEEE1284)
Printing Speed	25 ppm
Printing Resolution	600 dpi
Scanning Resolution	600 dpi (Local)
Scanner Driver	TWAIN
OS	Windows NT® 4.0 / Windows® 2000 / 98 / 95 / Me
Page Description Language	PCL6 Emulation (with optional PCL6 Emulation Kit)

G3 Fax (DA-FG230)

Compatibility	ITU-T Group 3, ECM
Modem Speed	33,600 – 2,400 bps with automatic fallback
Coding Scheme	JBIG / MMR / MR / MH
Transmission Speed	Approx. 3 seconds / page*12
Scanning Speed	0.7 sec. (A4 portrait in Standard or Fine mode)
Scanning Resolution Standard:	8 dots/mm x 3.85 lines/mm
Fine:	8 dots/mm x 7.7 lines/mm
Super Fine:	16 dots/mm x 15.4 lines/mm
Effective Scanning Width	292 mm
Recording Resolution	Max. 406 dots/inch x 391 lines/inch
Image Memory Capacity	Approx. 120 pages*13
Optional Memory	Base memory plus 320 pages (4 MB) / 640 pages (8 MB)*13

Internet Fax*10 (DA-NE200)

Compatibility	IETF RFC 2305, ITU-T T.37
Communication Protocol	TCP/IP, SMTP, POP3, MIME
Network Connectivity	100BASE-TX / 10BASE-T Ethernet [IEEE802.3]
Data Format	TIFF-FX Profile S, MMR (400 dpi only)

Notes

*1 ADF or i-ADF is required
*2 1-Bin Finisher is required
*3 Automatic Duplex Unit is required (only for the DP-2500P)
*4 i-ADF is required
*5 i-ADF and Automatic Duplex Unit are required (only for the DP-2500P)
*6 ADF or i-ADF and Automatic Duplex Unit are required (only for the DP-2500P)
*7 Local connection only
*8 Optional Flash Memory is required
*9 Fax Communication Kit is required.

*10 Not available in some countries.
*11 Dimensions and weight are approximate.
*12 Transmission time applies to memory transmission of text data with JBIG compression using only ITU-T Image No. 1 between the same models at modem speeds over 26.4 Kbps. Transmission time may vary in actual usage. Usually public telephone lines can support only 28.8-Kbps or lower communication speed. Via PBX, transmission speed may fall back to a lower speed
*13 Based on ITU-T Image No. 1 scanned in Standard mode.

Super G3 is the classification given to a type of facsimile that conforms to the 33.6-Kbps transmission method standardised in accordance with the ITU-T V.34 recommendation.
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