

you can
Canon

iR4600N
multifunctional digital system

*Put all your print and
copying problems behind you*





Adding value to a versatile digital system

The Canon iR4600N is a new, multifunctional, 46 prints per minute digital system offering a highly attractive price to performance ratio. This is achieved by the development of an innovative iR controller, ensuring overall value and versatility.

Featuring next generation digital and imaging technology that seamlessly combines advanced hardware and software skills, the iR4600N system provides productive departmental printing and copying. Complete with a higher peak load capacity, improved image quality, remote printing flexibility, enhanced paper capacity and complete document finishing.

Unique, time-saving features include a convenient Copy Job Reservation function and a Personal Image Server for merging different documents. Furthermore, the iR4600N guarantees a consistently reliable workflow that readily meets your entire document creation and printing demands.



ADVANCED ARCHITECTURE

Utilising expert embedded controller technology, the iR4600N system is designed from the ground up to operate as a truly multi-functional unit - without single concept restraints. Thus the system is simpler to connect, monitor and control, while overall productivity and flexibility are also enhanced.

CHIP EMBEDDED CONTROLLER

The high performance iR controller handles all the system's functions seamlessly, managing PDL pages, RIP, network and engine control. The important advantage of this standard controller is that it ensures enterprises benefit from an optimum price/performance ratio.

HIGH QUALITY, HIGH SPEED

The iR4600N system delivers high image quality, high speed output for departmental printing and copying. This multi-functional role eliminates the need for dedicated machines, reducing investment outlay. It also offers greater flexibility for printing on different paper sizes, complete with finishing.

MAXIMUM 2400 X 600 DPI

A 600 x 600 dpi resolution, with 256 gradation levels, is increased by smoothing to an interpolated 2400 x 600 dpi when printing. This ensures sharp text and clear graphics, capturing every detail without any drop in image quality. Delivering consistently high quality and constant reliability.

FAST 46 PPM OUTPUT, LOW FCOT

The output speed of the iR4600N system is a productive 46 prints per minute. Trayless duplexing enables rapid two-sided printing at the same engine speed. Fast processing speeds increase overall productivity during printing. While the FCOT (First Copy Out Time) is reduced to a low 3.8 seconds, to speed up production of single copies made from multi-page originals.



20 GB HARD DRIVE

The iR4600N system has a powerful 20 GB hard drive that offers a variety of time-saving features for printing and copying purposes. These include a Copy Job Reservation capacity, auto imposition for easier booklet creation and a Personal Image Server that enables direct document merging.

COPY JOB RESERVATION

A convenient Copy Job Reservation function allows users to programme up to 5 jobs at a time, when copying. Managing consecutive copy jobs can be set up straight away, without waiting for printing to finish. So there are no more delays and no queues, just pure productivity from start to finish.

AUTO IMPOSITION

When it comes to creating booklets, auto imposition is an essential feature. The copy memory carries out the imposition so that duplex booklets, complete with V-folds, are always stapled and delivered with pages in the right order. Another useful feature is image rotation, ensuring correct format reduction of A3 sizes to A4.

ADDITIONAL MEMORY ADVANTAGES

Personal Image Server

It's possible to scan and store existing, hard copy documents onto the iR hard disk, using the Personal Image Server. These scanned documents are stored in a personal mailbox and can then be merged with documents processed on a PC. Thus creating a completely new document from two different sources.

100 CONFIDENTIAL MAILBOXES

Up to 100 personal mailboxes can be allocated, each with a private password. This allows users to store all sensitive documents securely - and print multiple documents at a later date, when required. Contents remain confidential, without mixing pages with other output on delivery.

DIGITAL FUNCTIONS

With a wide range of digital functions available, users can customise jobs to suit their precise needs. For example, when copying from books, it is possible to select the facing pages (either left/right or front/back). Other features include chapter page insertion and a printed photo mode for removing the moiré pattern from printed photos.





ENHANCED EASE

Although the iR4600N offers a range of digital printing and copying capabilities, the system has been designed to ensure optimum ease of use. Printing by the remote user interface or by Canon's user-friendly printer driver minimizes manual intervention. While 'walk-up' use has been simplified for easier operation.

REMOTE USER INTERFACE

Handling print jobs direct from a PC is simple, using the browser-based remote user interface. With a range of sophisticated controls available for managing and controlling network printing, users can check the printer status, submit print jobs, preview jobs, etc. Also an administrator can even prioritize jobs.

CONTROL PANEL

The control panel on the iR4600N system offers a simplified user interface. A clear message display guides users step-by-step through every stage of the process, making even the most complex operations easy to handle. Providing enhanced ease - from smooth paper handling right through to flexible finishing.

IMPROVED RELIABILITY

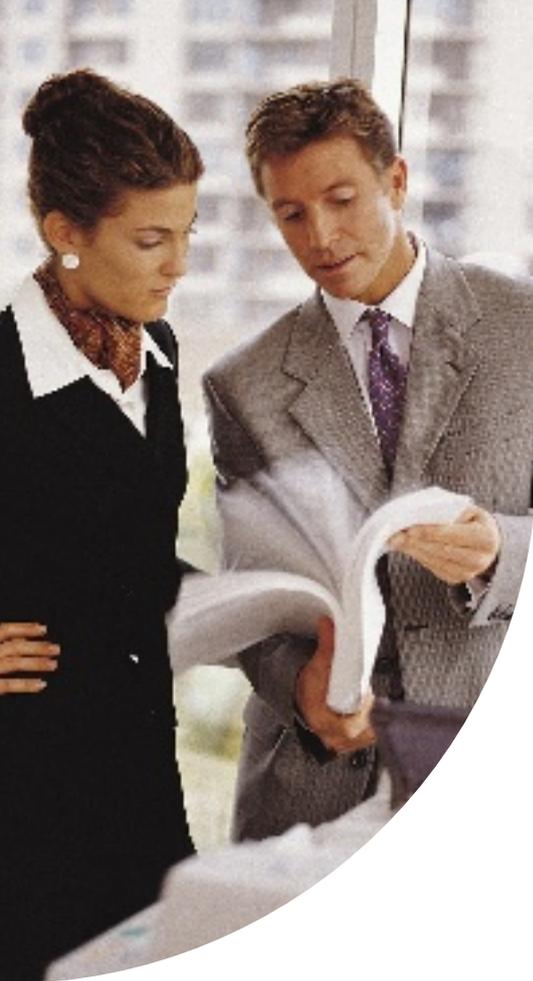
Reliability is a key element of the iR4600N system, ensuring consistent and continuous output. This digital system is based on Canon's extensive experience and proven expertise in digital and imaging technology. Complete with the back up of Canon's renowned service coverage.

DURABLE DESIGN

The new, durable hardware design of the iR4600N system ensures reliable operation over a long period - providing maximum machine uptime to protect your investment outlay. Furthermore, the guaranteed drum lifetime is equivalent to the machine lifetime.

PEAK LOAD CAPABILITY

While capable of meeting everyday workloads with ease, the iR4600N system can also handle exceptional peak loads. Thus it maintains the required output during crisis periods, without the unnecessary expense of investing in a machine that far exceeds standard workloads.



LARGE PAPER SUPPLY

The maximum paper capacity of the iR4600N system is a massive 7,650 sheets, more than enough to handle the most demanding needs. It accepts a wide range of media, for all printing purposes. As well as varying paper sizes from A3 to A5 and paper thicknesses ranging from 64 to 200 g/m².

4,150 SHEET STANDARD CAPACITY

The standard paper capacity offers five paper sources for full printing flexibility. Four drawers hold a total of 4,100 sheets (1,500 x 2/550 x2) plus a stack bypass takes a further 50 sheets for free sizes. Drawers can be individually set for printing, copying, mailbox and other output. All with the possibility of automatic drawer switching to enable limitless printing, without the risk of paper suddenly running out.

PLUS 3,500-SHEET PAPER DECK

For full production output, an optional 3,500-sheet paper deck is available. Holding A4 paper, it increases overall capacity to 7,650 sheets. In addition, the iR4600N features Automatic Paper Selection ensuring that jobs are always printed with a minimum of manual intervention.

FULL, FLEXIBLE FINISHING

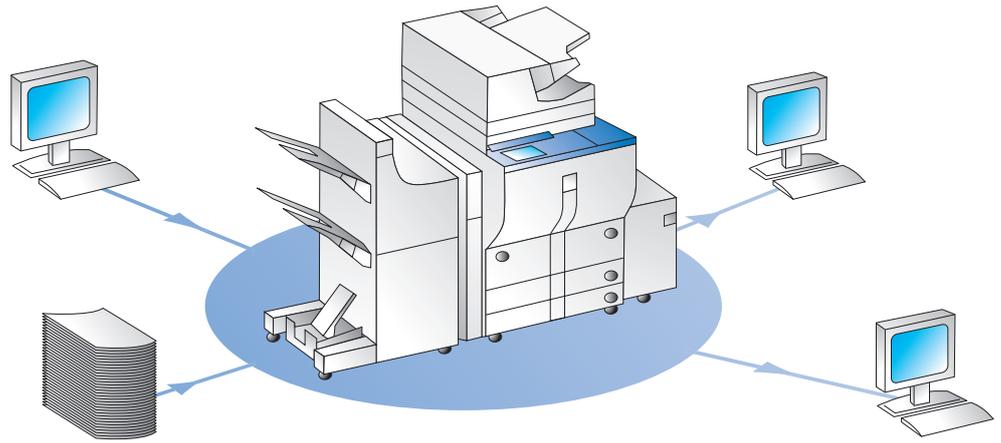
When the iR4600N is configured only with an output tray, the image memory allows convenient electronic collation, with cross collated sets. A Finisher F1 is available offering a high output capacity of 2,000 sheets - in sorted, grouped or stapled mode. Up to 50 sheets can be stapled in a single set.

BOOKLET PRODUCTION

For booklet production, a Saddle Finisher F2 is available. This also has a high capacity of 2,000 sheets, but with the additional capability of producing professional booklets in either A5 or A4 formats - with saddle stitching and V-folding. The finisher takes up to 25 sets in the special booklet output tray.

ON-LINE HOLE PUNCHING

A special hole puncher can be added to either finisher as an extra accessory, for making two or four holes. Hole punching is possible in A3 and A4 paper, for both portrait and landscape orientation. It's ideal for ring binding purposes - saving time and costs, as more expensive pre-punched paper doesn't have to be loaded in the machine.



- Print, Copy, Mailbox, Pull Scan (standard)
- High quality, high speed
- 20 GB hard drive
- Additional memory advantages
- Ease of use
- Reliability
- Powerful paper supply
- Full, flexible finishing



iR4600N Specifications

Document Handling

A4 Copy/Print Speed	iR4600N - 46ppm
A3 Copy/Print Speed	iR4600N - 30ppm
Standard Paper Supply	4,150 sheets
Maximum Paper Supply	7,650 sheets
Cassettes	
Standard	Cassettes 1&2 (1,500 sheets each) A4, 64-90gsm Cassette 3 (550 sheets) A5R-A3, 64-200gsm Cassette 4 (550 sheets) A3, 64-200gsm
Bypass	50 sheets, A6R-A3, 64-200gsm
Output Paper Size/Weight	A6R-A3, 64-200gsm
Memory	20GB for Scan Once Print Many, Reserved Jobs, Electronic Collation, Scan to Mailbox
Memory Size	192MB
Double Sided	A5R-A3, 64-200gsm, Continuous Stackless Duplex
Print Monitor	Job Complete Notification, Print Monitor, Print Log (via copying & printing)
Document Finishing	Sort / Group / Staple-Sort / Off-Set Electronic Sorting, Sample Set, Booklet Finishing, 4 / 2-Hole Punch, Cover/Sheet Insertion
Warm Up Time	5 minutes or less
First Copy Out Time	3.8 seconds max (from platen glass)
First Copy Out Time	5.1 seconds max (from DADF)

Image Handling

Image Manipulation	Multi-up, Zoom (25-400%), Rotation, Mirror Imaging, Negative/Positive, Frame Erase, Image Repeat
Image Quality	2400 (equiv.) x 600 dpi Resolution (Equivalent = with Image Enhancement)
Margin/Image Shift	Yes

Network Management

Network Topology	Ethernet (Standard)
Network Protocols	TCP/IP, Novell IPX 802.2 & 802.3, AppleTalk, Canon LPR Utility for Windows '95/'98 workgroups
Operating Systems	Novell Netware (IPX/SPX), Windows 95/98/2000/XP/2003 Windows NT (TCP/IP) and several UNIX systems (TCP/IP)
Drivers	Windows 95/98/2000/XP/2003, NT 4.0
Connecting Ports	10/100Base T, Parallel
Network Management Software	
Device Setup	Netspot Device Installer, NDPS Gateway, LPR Port
Device Configurator	Netspot Console
Network Management & Ease of Use	Netspot Console, NSPDL, Netspot Job Monitor, NDPS Gateway

Printer Specific Features (Standard)

Mailboxes	100 available
PDL's	PCL5e, PCL6
Network Scanning	Scangear (for pull scanning back to the PC)

Copier Specific Features

Scan Once Print Many	
Copy Select	1 to 999
Mixed Original Copying	Yes
Job Build	Yes
Job Memories	9
Job Recall	Last 3 Jobs
ID Codes	1,000 7digit passwords
Dimensions (Inc. DADF)	W643 x D743 x H1136mm

Options

3.5K Paper Deck, Off-Set Catch Tray Finisher F1 (Output - 2000 sheets/A4), Saddle Finisher F2 (Output - 2000 sheets/A4 + booklet tray), Hole Punch Unit (2 or 4 Holes), Shift Tray B1 (Output - 500 sheets/A4), Document Tray, Control Card System, Token Ring, (PCL Printer board is standard)

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Part Number: 0043W016
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