

Appendix A

Specifications

General

Applicable line:	Public Switched Telephone Network
Compatibility:	G3
Data compression system:	MH, MR, MMR (ECM-MMR)
Modem type:	FAX modem
Modem speed:	14400, 9600, 7200, 4800, 2400 bps (automatic fallback)
Transmission speed:	Approximately 6 seconds/page* (transmitting from memory)
Transmission/reception memory:	• 672 KB DRAM, MR storage • Approximately 42 pages** • Maximum 20 documents • LCD displays memory used • Uses direct transmission when memory is full
Liquid crystal display:	16 x 1
Display languages:	English, French, and Spanish
Power source:	120 V/60 Hz
Power consumption:	• Maximum: approximately [[X]] W • Minimum: approximately [[X]] W (Standby mode)
Dimensions (W x D x H):	15.75 x 14.2 x 7.75 in (400 x 361 x 197 mm) (main unit only, no trays)
Weight:	Approximately 13.2 lbs (6.0 kg)

* Based on CCITT No.1 Chart (ECM-MMR Standard Mode)

** Based on CCITT No.1 Chart (Standard Mode)

Environmental requirements:	• Temperature: 50–90.5 °F (10–32.5 °C) • Humidity: 20–85% RH
Applicable standards:	• Electrical safety: UL, CSA • Radiation: FCC Part 15, Class BJC • PTT: FCC Part 68, IC • Energy Star compliant
Interface:	IEEE 128 compatible parallel interface

Printer

Printing method:	Bubble Jet ink on-demand
Printing resolution:	720 x 360 dpi
Paper handling:	Automatic feed
Sheet feeder capacity:	• 100 sheets of letter/legal/A4 (75 g/m²) • 50 sheets of transparencies • 10 sheets of back print film • 15 envelopes
Paper sizes:	• Letter (8.5 x 11 in) • Legal (8.5 x 14 in) • A4 (210 x 297 mm)
Envelope sizes:	• U.S. Commercial No. 10 envelope (9.5 x 4.1 in) • European DL envelope (220 x 110 mm)
Media types:	• Plain paper • Coated paper (Canon LC-301 and HR-101) • Overhead projector film (Canon CF-102) • Back print film (Canon BF-102) • High-gloss film (Canon HG-101) • Fabric sheet (Canon FS-101) • Envelope (Commercial No. 10 or European DL)
Paper weight:	17–24 lbs (64–90 g/m ²) for automatic feed 24–28 lbs (90–105 g/m ²) for manual feed

Line-feed speed:

Approximately 60 ms/line at 1/6-in line

Printing speed:

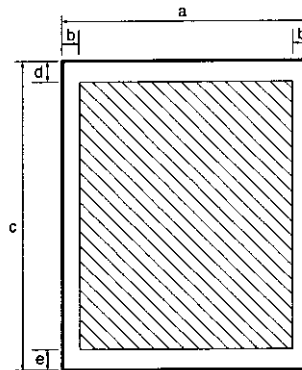
- BC-21 Color BJ Cartridge (Black printing): up to 2 pages per minute (1500 characters per page)
- BC-21 Color BJ Cartridge (Color printing): approximately 0.3–0.8 pages per minute (full coverage of printable area)
- BC-20 Black BJ Cartridge: up to 5 pages per minute (1500 characters per page)

Printing width:

Maximum 8.2 in (203 mm)

Printable Area: Papers

The shaded area in the following figure shows the printable area for papers.

**Printable area:****Letter size**

a	8.5 in
b	0.13 in
c	11.0 in
d	0.12 in
e	0.27 in

Legal size

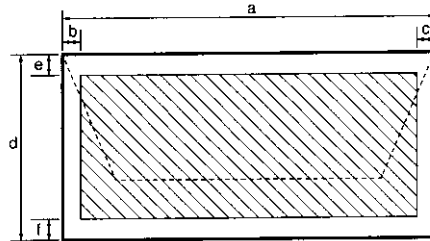
a	8.5 in
b	0.13 in
c	14.0 in
d	0.12 in
e	0.27 in

A4 size

a	210 mm
b	3.4 mm
c	297 mm
d	3 mm
e	7.0 mm

Printable Area: Envelopes

The shaded portion in the following figure shows the printable area for envelopes.



Printable area:

U.S. Commercial No. 10

a	9.5 in
b	0.25 in
c	1.2 in
d	4.1 in
e	0.12 in
f	0.27 in

European DL

a	220 mm
b	6.4 mm
c	10.4 mm
d	110 mm
e	3.0 mm
f	7 mm

BCI-21 Color BJ cartridge

- **Print head:**
 - 64 nozzles for black
 - 24 nozzles each for cyan, magenta, yellow
- **Ink tanks:**
 - BCI-21 Color (cyan, magenta, yellow)
 - BCI-21 Black
- **Ink colors:** Black, cyan, magenta, yellow
- **Contents/black:** Isopropyl alcohol 67-63-0, glycerine 56-81-5, ethylene glycol 107-21-1
- **Contents/color:** Glycerine 56-81-5
- **Ink tank yield:**
 - BCI-21 Color: approx. 100 pages/tank at 7.5% coverage for each color
 - BCI-21 Black: approx. 150 pages/tank at 7.5% coverage

- BC-20 Black BJ cartridge

 - **Print head:** 128 nozzles
 - **Ink color:** Black
 - **Contents:** Isopropyl alcohol 67-63-0, glycerine 56-81-5, ethylene glycol 107-21-1
 - **Cartridge life/
cartridge yield:** Approx. 900 pages at 5% coverage

BC-22 Photo BJ cartridge

 - **Print head:**
 - 64 nozzles for black
 - 24 nozzles each for cyan, magenta, yellow
 - **Ink colors:** Black, cyan, magenta, yellow
 - **Cartridge yield:** Approx. 50 pages/cartridge at 7.5% coverage for each color

Specifications

Scanner

- Scanning method:

Solid-state electronic scanning by contact image sensor
- Scanning image processing:

 - GENESIS/Ultra-High-Quality Image Processing System (UHQ)
 - Halftones: 256 levels of gray
 - Photo/text auto-recognition
- Scanning resolution:

 - Standard 200 dpi:
203 pels/in x 98 lines/in
(8 pels/mm x 3.85 lines/mm)
 - Enhanced 300 dpi:
203 pels/in x 196 lines/in
(8 pels/mm x 7.7 lines/mm)
 - Enhanced 400 dpi:
203 pels/in x 196 lines/in
(8 pels/mm x 7.7 lines/mm)
- Automatic document feeder capacity:*

 - 20 A4- or letter-size sheets
 - 10 legal-size sheets
- Document sizes (W x L):

Maximum: 8.5 x 39.3 in (216 x 1000 mm)
Minimum: 3.5 x 2.5 in (88.9 x 63.5 mm)

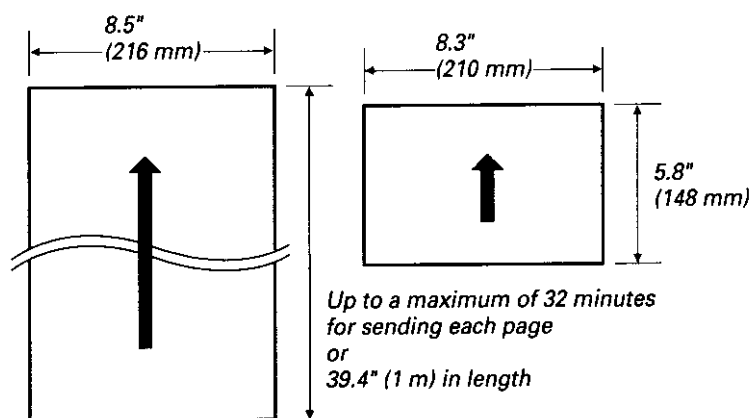
*Based on 20 lbs paper

Effective scanning width:	8.42 in (214 mm)
Compatibility:	TWAIN
Scanning speed**:	• B&W text mode: 23 sec/page • Grayscale mode: 46 sec/page (Std. mode) 92 sec/page (Fine mode)

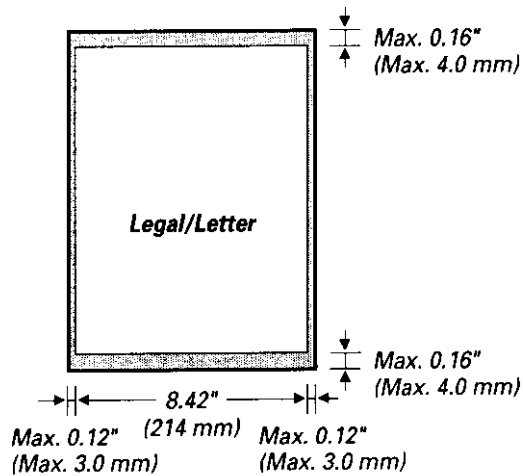
**A4 Standard resolution (5 ms/line)

Document Sizes

The following illustrations show the largest and smallest documents you can feed into the C3500.



The figure below shows how much of a letter- or legal-size document the C3500 scans when faxing or scanning.



A margin of 0.12 in (3.0 mm) on either side of the sheet and 0.16 in (4.0 mm) on the top and bottom are outside the C3500's scanning area.

Plain Paper Fax

Transmission time:	Approx. 6 seconds* (G3 ECM MMR)
Resolution:	• Fine mode: 203 pels/in x 196 lines/in (8 pels/mm x 7.7 lines/mm) • Standard mode: 203 pels/in x 98 lines/in (8 pels/mm x 3.85 lines/mm)
Scanning image processing:	• GENESIS/Ultra-High-Quality Image Processing System (UHQ) • Halftones: 64 levels of gray • Photo/text auto-recognition
Recording method:	Bubble Jet printing
Fax printing speed:	Approx. 4 pages/minute*

* Based on the CCITT No.1 chart, Standard Mode.

Dialing:

- Automatic dialing:
 - One-touch speed dialing (6 locations)
 - Coded speed dialing (50 locations)
 - Group dialing (55 locations)
- Manual 10-button dialing
- Automatic redialing (including error redialing)
 - Redial times: 1–10
 - Redial interval: 2–99 min
- Manual redialing
- Pause button (variable length: 1–15 sec)

Networking:

- Delayed transmission (up to 57 locations at a single pre-set time)
- Sequential broadcast (up to 57 locations)
- Automatic receiving
- Non-ring reception
- Deactivate ECM
- DRPD (Distinctive Ring Pattern Detection)

Report/reference:

- Activity report (up to 20 transactions)
- Non-delivery report
- TTI (Transmitter Terminal Identification)

Ink saver:

Economy mode for printing received faxes extends cartridge life to approx. 1800 pages.

Copier**Scanning resolution:**

- Fine: 203 pels/in x 196 lines/in
- Photo:

Printing resolution:

360 x 360 dpi

Reduction sizes:

70%, 80%, 90%

Copy speed:

- Initial copy: 45 seconds
- Subsequent copies: 20 seconds

Multiple copies:

Up to 99 copies of a document

Telephone

- Automatic FAX/TEL switchover
- Answering machine hook-up (CNG detecting signal, no sound)
- Extension phone hook-up
- Remote reception by extension phone (25 codes)
- Tone button
- Pause button (variable length: 1–15 sec)

PC Interface

Type: Bi-directional parallel

Mode: Compatible, Nibble, ECP

Specifications

MultiPASS Desktop Manager for Windows

- System requirements:**
- IBM compatible PC, 486 or faster processor (i486 DX or faster recommended)
 - 8 MB of RAM (16 MB recommended)
 - 25 MB of free hard disk space
 - Windows® 3.1, 3.11, or Windows® 95
 - Bidirectional parallel cable
 - CD-ROM Drive
- PC Fax:**
- Canon proprietary MultiPASS Desktop Manager for Windows
 - Fax/Telephone address book
 - Fax Viewer
 - Fax Log
 - Fax distribution lists
 - Real-time C3500 hardware status available through PC

Glossary

A

AC

Alternating current. The type of electrical current available from a wall outlet.

Activity report

A journal of the C3500's fax transactions, both sent and received.

Address Book

The MultiPASS Desktop Manager for Windows provides you with an electronic Address Book that allows you to create a list of people with their phone/fax numbers. In the Address Book you can add new entries, create a fax group, edit existing entries, and sort the entries based on last, first or company name. You can import an existing text file of addresses or export the Address Book to a text file. You can send faxes and make telephone calls using the Address Book. See *Registering*.

Application program

Software prepared for a specific function or set of functions. Examples include word-processing programs and the MultiPASS Desktop Manager. Developers who make application programs include driver's that support different types of printers.

ASCII

Acronym for American Standard Code for Information Interchange. A set of definitions for the bit composition of characters and symbols. ASCII defines 128 symbols using 7 binary bits and 1 parity bit.

Auto FAX/TEL switching

See *FAX/TEL switching*.

Automatic dialing

Dialing fax or telephone numbers by pressing one or three buttons. To use automatic dialing, you must register the numbers in the C3500's memory. See also *One-touch speed dialing*, *Coded speed dialing*, *Group dialing*, and *Address Book*.

Automatic Document Feeder (ADF)

The device included in the C3500 that automatically feeds the document being faxed, copied, or scanned into the C3500.

Automatic image reduction

The C3500 can print the date, time, company name, and a fax number at the top of the faxes it receives. To prevent this information from crowding the faxed image on the page and possibly lengthening the fax, the C3500 automatically reduces the size of the image on the page.

Automatic redialing

When the receiving fax machine is busy or does not answer, or when an error occurs while sending, the C3500 waits a specified time and then automatically redials the number. If the receiving fax is still busy or doesn't answer, the C3500 waits the specified time and dials again. If the fax still doesn't go through, the C3500 prints an activity report.

B**Bi-directional parallel interface port**

An interface connection that can send and receive signals. For example, when you print or send a fax from your computer, data goes from your computer to the C3500; when you scan or receive a fax into your computer, data goes from the C3500 to your computer.

BJ cartridge

The printing mechanism that contains the print head unit and ink cartridges.

Bold

A characteristic of a printed character that indicates wider, darker representation. Also referred to as emphasized or double-strike printing.

bps

Bits per second. Refers to the speed with which a fax machine sends and receives data.

Broadcasting

Transmitting documents to more than one location (through the C3500's memory).

Bubble Jet (BJ) printing

An ink-jet type printer that heats the ink to a boiling point in a nozzle to form a bubble. When the bubble expands, there is no room left in the nozzle for the ink and the ink is projected onto paper.

Buffer

A temporary storage area in the computer's or printer's memory where data for input or output is held until it can be processed. See also *Download buffer*, *Input buffer*.

C

CCITT #1 Chart

A test chart, defined by CCITT, used to measure the transmission speed as well as the transmitting and receiving memory capacity of a fax machine.

CCITT/ITU-T

Formerly known as CCITT, Consultative Committee for International Telegraph and Telephone. CCITT has been replaced by the International Telecommunications Union-Telecommunications sector (ITU-T), a committee created to set international standards for telecommunications.

Centronics

An interface standard for parallel data transmission. The interface on the C3500 is a Centronics-type parallel interface.

Character set

A complete collection of the characters and symbols that constitute all the elements of a language or discipline (mathematics, for example), including punctuation and numbers, with a one-to-one correspondence to the ASCII codes 00-7F (hexadecimal). The printer uses these characters to determine its printing and nonprinting activities after it receives data from the host computer.

CMYK

Acronym for cyan, magenta, yellow, and black; the four colors used in the standard color model of the printing industry. Refers to a method of specifying color using CMYK color values. (K is used for black because B is used to represent blue in RGB.)

CNG

Calling Tone. This is a signal sent by fax machines to identify the call as an incoming document. When the receiving fax detects this signal, it automatically starts to receive the fax transmission. The majority of fax machines in use today can send and detect CNG signals.

Code page

A set of 256 graphic designs (characters) associated with unique extended ASCII code values from 0 through 255. Code Page 437 is USA and Code Page 850 is Multilingual.

Coded speed dialing

An automatic dialing method that allows you to dial a fax or telephone number by pressing the **CODED DIAL** button and a two-digit code using the numeric buttons.

Composite black

The black color formed by mixing cyan, magenta, and yellow ink so that they appear almost black on a printout.

Condensed

A text print mode that produces a reduced character size (approximately 60% of the width of the original pitch). The printer can produce condensed text (17 cpi) for 10 cpi and condensed text (20 cpi) for 12 cpi.

Control code

Special data that invokes nonprinting functions of the printer, such as line feed or carriage return. In the ASCII chart, control codes are represented by decimal numbers 0-31, 127, 128, 159, and 255.

cpi

Characters per inch. A unit of measurement relevant to a fixed-space font. Because all characters have the same width, you can calculate the number of characters printed per inch.

cps

Characters per second. A unit of measurement that indicates the printer's speed.

Cursor

The underline symbol you see on the LCD display when you register numbers and names in the C3500. Press the arrow buttons to move the cursor.

D**dB(A)**

Stands for *decibel level* (a decibel being a unit of measurement for the intensity of the sound coming from the unit), adjusted for background noise.

Delayed sending

The ability to send a document at a preset time in the future. You do not have to be in your office to use delayed sending to one or more destinations. (You can set up only one delayed transmission at a time on the C3500.)

Dialing methods

Ways of pressing one or more buttons to access a number to connect to an outside party or fax machine. Dialing methods include one-touch, coded speed dialing, group dialing, and manual (regular).

Dithering

A method by which color dots are combined on a page to produce a wide spectrum of colors.

Document

The sheet of paper containing the data that you send to, or receive from a unit.

Download buffer

An area of the printer's memory that holds downloaded font information. See also *Buffer*, *Input buffer*.

dpi

Dots per inch. A unit of measurement for indicating a printer's resolution. Your C3500 can produce a resolution up to 720 dpi precision (horizontal) depending on the printer control mode and the application you are using.

DRPD

Distinctive Ring Pattern Detection. Allows you to assign up to five different ring patterns to distinguish voice and fax calls using your telephone company's special services.

Dual access (Multitasking)

Enables the C3500 to receive a fax, even if it is copying or printing a document. Also enables you to load other faxes into memory, make copies, print out reports, print documents or register information while the C3500 sends a fax from memory.

E**ECM**

Error Correction Mode. The ability of your C3500 to reduce system and line errors when sending or receiving from another fax with ECM capability. ECM is most effective in areas where the telephone lines are in poor condition or there is frequent interference on the line. Do not use ECM if you need to send a document quickly and you are sure the other party can read your transmission without it (turning off ECM also turns off MMR).

Emulation

A technique where one device imitates (acts like) another device.

Extension

A telephone connected to the C3500 that is used in place of the handset. You can use the extension telephone to activate incoming reception of documents manually.

F**Factory default**

The C3500 is preprogrammed in the factory with settings that we recommend. These are known as Factory Default Settings. You can customize your C3500 by programming settings other than the Factory Default Settings.

FAX/TEL switching

This option allows you to set the C3500 to automatically detect whether a call is from a fax or telephone. If the call is from another fax, the transmission is automatically received. If the call is from a telephone, the C3500 rings to let you know, so you can pick up the handset of the extension phone. With this feature, one telephone line can be shared by both the telephone and the fax.

FINE

The resolution setting for documents with very small characters and lines.

Fixed pitch spacing

Equal spacing for each character of the same typeface. In printing a fixed pitch font, each character, whether narrow or wide, takes up the same amount of space.

Fixed space font

A font in which all characters take up the same amount of space. An *i* takes as much space as a *w*.

Form feed

A printer function that automatically ejects the current page and advances the printer to the top of the next page.

G

G3, Group 3 fax machine

Defined by CCITT. Uses encoding schemes to transmit image data while reducing the amount of data that needs to be transmitted, thus reducing transmission time. G3 fax machines can transmit one page in less than one minute. Encoding schemes for G3 fax machines are Modified Huffman (MH), Modified READ (MR), and Modified Modified READ (MMR).

Graphic

A written, printed, or electronically displayed symbol or drawing. Also characters or text that have been generated by a computer graphics application program.

Grayscale

Representing color in black and white as a result of different intensities of color. Different colors and intensities of colors appear as different shades of gray.

Group dialing

A dialing method that enables you to dial up to 55 registered one-touch speed dialing or coded speed dialing numbers together as a group. This means that you can press just one or three buttons to enter numbers when sending the same document to many destinations.

H

Halftone

Using this method, the C3500 produces shades of gray or of colors by mapping dots to be printed. For color printing, different colored dots of ink are placed closely together to create illusions of other colors.

Hue

A color in the color spectrum. Examples are red, green, and violet.

I

IEEE 1284

IEEE 1284 is the new specification standard for PC-to-peripheral bi-directional parallel interface communications. The new standard was adopted by IEEE, Institute of Electrical and Electronic Engineers, Inc., in 1993. Some of the benefits it provides are: bi-directional communication between PCs and peripheral devices, a higher speed data transfer rate, and protection against data loss due to noise interference.

Ink Jet printer

A nonimpact printer that ejects ink into paper to form characters. The C3500 has a special type of ink jet printer built in called a Bubble Jet printer.

Ink saver

You can enable or disable economy printing (ink saving feature) when receiving faxes. By enabling the INKSAVER mode, ink consumption can be decreased by as much as fifty percent, resulting in a longer effective cartridge life.

Ink tank

The special type of ink container housed by the BJ cartridge. The BC-21 Color BJ cartridge contains two ink tanks: one color (which includes cyan, yellow, magenta) and one black.

Input buffer

An area of the printer's memory containing the files that have been sent to the printer. See also *Buffer*, *Download buffer*.

Intensity

The amount of color. More intense or more saturated colors are more pure. Less intense or less saturated colors are less vivid.

Interface

The connection between two devices that makes it possible for them to communicate with each other. This C3500 features a parallel interface, which makes it compatible with IBM and similar personal computers.

Interface cable

The cable used to create the interface between a printer and a computer.

Interface port

The C3500 comes with one Centronics, 8-bit, bi-directional parallel interface port, located on the back of the unit. You attach the cable that connects your computer and C3500 to this port.

Italic

A font style distinguished by slanted characters (the upright strokes of the characters are at an angle to the vertical axis).

J**Jack**

The telephone receptacles on your wall or in your C3500 used to connect the C3500 to the telephone line, answering machine, or extension phone.

L**Landscape orientation**

Refers to printing across the length of the page (as opposed to portrait orientation printing across the width of the page). The term landscape is derived from pictures of the landscape, which are usually horizontal in format.

Line feed

A printer function that advances the paper one line.

Line weight

The thickness of lines used in a graphic image or the stroke weight of text characters.

M**Manual receiving**

A method of receiving faxes in which you answer all incoming calls using the extension phone. If you hear a slow beep it indicates an incoming fax transmission from another machine. Just press **START/COPY** to receive the incoming fax.

Manual redialing

When you use Regular dialing, you can redial a number manually simply by pressing **REDIAL/PAUSE** on the the operation panel. The last number called is the number redialed.

Memory broadcast

Allows you to send a scanned fax to as many as 57 locations at once, using a combination of one-touch speed dialing, coded speed dialing, or manual dialing.

Memory sending

Scans a document into memory before the C3500 dials the numbers and sends it. This method allows you to retrieve your original document immediately after scanning.

Modem

A device that converts (MODulates) digital data for transmission over telephone lines. At the receiving end, this device converts the modulated data (DEModulates) to digital format that the computer understands.

MultiPASS Desktop Manager for Windows software

Canon's exclusive software package that allows you to use the C3500 with your Windows software applications. You must install the desktop manager to use your C3500 as a printer, scanner, or PC fax.

N**Noise**

A term applied to a variety of problems that impair the operation of telephone lines used for faxing.

Noise level

See $dB(A)$.

Nonbleed

A special mode in color print quality selection whereby the printer changes from true black to composite black when directly adjacent to an area of color.

Numeric buttons

The round, numbered buttons on the operation panel marked the same as a standard telephone keypad. Press them to perform manual dialing. You also use the numeric buttons to enter numbers and letters when you register numbers and names, and for entering coded speed dialing codes with two or more digits.

O**Off-line**

The printer's communication status in which you cannot transfer data from your computer to the printer.

One-touch speed dialing buttons

The buttons numbered 1 to 6 on the operation panel, each of which may be registered as a fax or telephone number. Once a number is registered, you press one button to dial the entire number.

On-line

The printer's communication status in which it is being controlled by your computer and is ready to receive data.

P

Page orientation

Refers to the direction of print on the page. Printing across the width of a page is called portrait orientation. Printing across the length of a page is called landscape orientation.

Paper feed

Refer to guiding a sheet of paper into the printer's paper path.

Parallel interface

An interface that transmits multiple bits simultaneously (usually in one-byte segments). Your C3500 has a built-in, Centronics-type bi-directional parallel interface. See also *Interface port*.

Pause

A timing entry required for registering certain long distance numbers and for dialing out through some telephone systems or switchboards. Pressing the **REDIAL/PAUSE** button enters a pause between digits of a telephone number.

PC fax

An electronic way to send and receive faxes. A PC fax is sent from or received in a computer. Using the C3500 allows you to send and receive PC faxes and the MultiPASS Desktop Manager lets you save, sort, and print the PC faxes.

Photo

The document setting you use for sending or copying documents with intermediate tones, such as photographs.

Pitch

Refers to the number of characters per inch that can be composed using a fixed space font.

Platen

The printer component that holds the paper in position during ink transfer.

Point size

Character height is defined in points; one point is 1/72 inch. For instance, this text is printed using a 10-point font.

Portrait orientation

Refers to printing across the width of the page (letter style). This is the opposite of landscape orientation, which is printing across the length of the page.

Print head

The printing mechanism that contains print nozzles and ejects the ink for printing.

Print head capping

An automatic protection function that prevents the print head unit and ink cartridges from drying out or becoming clogged with dust.

Printable area

The area of a sheet of paper on which a printer can reproduce text or graphics (the printing area is smaller than the paper). On this unit, the printing area varies depending on the type of paper being used.

Printer command

Also called ESCape sequences. See *ESCape sequences*.

Printer driver

Software that sends printing instructions to a printer (in this case, the C3500). The printer driver keeps track of the attributes of a printer and the codes the program must send to access those attributes.

Proportional spacing

The spacing of characters according to the width of each character. This variable spacing between each character closes up awkward space and makes text easier to read.

Proportionally spaced font

A font in which each character is given an amount of space proportional to its size—less for an *i* and more for a *w*.

Pulse

See *Rotary pulse*.

Q

Quick-on-line sending

Quick-on-line sending is the easiest and quickest way to send a document. After a document is set in the Automatic Document Feeder (ADF), the C3500 begins to scan the entire document into the memory. As the first page of a multiple page document is being scanned, your C3500 will begin to call the other party, and transmit the information even as the remaining pages are being scanned. The C3500 scans the document quickly so you can get it back in a few moments and return to work.

R

RAM

Random Access Memory. Memory that is used for temporary storage of information such as: documents you want to print, scanned and received documents, and downloaded fonts.

RECEIVE MODE

The button that controls how the C3500 receives fax and telephone calls.

Receiving

Receiving transmission is also defined as RX or Reception.

The C3500 can be customized to receive fax documents in many ways:

- Receive fax documents only (Automatic Receiving)
- Receive both telephone calls and fax documents on the same line (Auto FAX/TEL Switchover)
- Receive telephone calls and fax documents manually (Manual Receiving)
- Receive telephone and/or fax documents using the Distinctive Ring Pattern service offered by your phone company (DRPD)
- Receive documents directly into your PC (PC Faxing)

Reception

See *Receiving*.

Redialing-automatic

When the fax you dial does not answer or a sending error occurs, the C3500 waits for a specified interval and then redials the same fax number. You can adjust the number of redials and the length of time between redialing.

Redialing-manual

When you use the regular dialing method, you can quickly call the last number dialed by pressing the **REDIAL/PAUSE** button.

Reduction mode

The C3500's automatic feature that slightly reduces the received image to allow room at the top of the page for the sender's ID information. You can also reduce the size of large incoming documents using the **RX REDUCTION** option.

Registering

A process by which you place fax or telephone numbers and names in the C3500's memory for automatic dialing so that you can save time dialing frequently called destinations. See *Address Book*.

Regular dialing

Pressing the individual numeric buttons to dial a fax or telephone number.

Remote receiving ID

The two-digit code that enables you to manually activate a fax using an extension phone that is connected to the C3500.

Remote reception

Activating a fax by answering an extension telephone that is connected to the C3500, but that is not located near the C3500. You need to dial a remote receiving ID number to start remote reception.

Reports

A document printed by the C3500 and containing information about the faxes it has sent or received.

Reset

A way to clear printer errors; turn the printer mode off and then back on again.

Resolution

The density of dots for any given output device. Expressed in terms of dots per inch (dpi). Low resolution causes font characters and graphics to have a jagged appearance. Higher resolution means smoother curves and angles as well as a better match to traditional typeface designs. Resolution values are represented by horizontal data and vertical data, for example, 360 × 360 dpi. This printer can produce output with resolutions up to 720 × 360 dpi precision.

RGB

An acronym for Red, Green, and Blue; the three primary colors used in the additive process to form a wide spectrum of colors.

ROM

Read-Only Memory. You cannot modify this printer memory. When the printer is turned off, ROM memory remains intact. In this unit, the default settings and the resident fonts are stored in ROM.

Rotary pulse

A telephone dialing system where a dial is rotated to send pulses to the telephone switching system. When you pulse dial, you hear clicks. When you touch-tone dial, the most common dialing system, you hear tones. Rotary pulse dialing requires certain setting adjustments.

RX

See *Receiving*.

S**Sans Serif Font**

A font with no short lines crossing and embellishing the ends of a letter's main strokes.

Saturation

The vividness or amount of a color. See *Intensity*.

Scanning contrast

A setting that darkens or lightens the scanning of documents.

Sender ID

Information printed at the top of a fax (also called TTI or Transmit Terminal ID):

- Date and time the fax was sent
- Sender's fax/phone number
- Sender's name
- Your name or company name
- Page number

Sending

A fax document that has been scanned by a facsimile machine and sent over telephone lines, in the form of electrical pulses, to another facsimile machine. Also called TX or Transmit. The C3500 also allows you to send a document directly from your PC (PC Faxing).

Sending speed

The rate at which faxes are transmitted through the phone line. See also *bps* (bits per seconds).

Serif

Short lines crossing and embellishing the ends of a letter's main strokes.

Smoothing mode

A printer mode in which the printer enhances the horizontal resolution of black ink. The printer automatically initiates this mode to produce 720 x 360 dpi for black ink.

STANDARD

A document setting for sending normal typewritten or printed documents containing only text and no drawings, photographs, or illustrations.

Standby

The mode in which the C3500 is on and ready to use. All operations start from standby mode when the LCD displays the date and time.

Subtractive colors

The three primary colors (cyan, yellow, and magenta); when combined through a subtractive process give a spectrum of colors.

T**Timed sending**

Setting the C3500 to transmit documents at a preset time. See also *Delayed sending*.

Tone/pulse setting

The ability to set the C3500 to match the telephone dialing system your telephone line uses: touch-tone or rotary pulse.

TONE

A button that allows you to temporarily switch to touch-tone from pulse dialing. In some countries, on-line data services may require that you use tone dialing.

Transaction number

A unique number assigned to each fax document sent (TX NO.) or received (RX NO.) by the C3500 and used to identify that particular fax document.

Transmit

See *Sending*.

True black

In comparison to *composite black*, true black color on a printout is obtained with the use of black ink.

TrueType font

The scalable font technology built into Microsoft Windows 3.1x and Windows 95. It offers you the same font images both on computer displays and printer outputs.

TTI

Transmit Terminal ID. See *Sender ID*.

TWAIN

Both a protocol and an application programming interface (API) that allows you to input image data directly from any source (for example: desktop and handheld scanners, video capture boards, digital cameras, and other imaging equipment) without requiring users to switch out of the application. It provides compatibility between image input devices and applications by acting as the liaison between hardware devices and software applications. Because your C3500 supports TWAIN, you can use the scanning features of the C3500 with any Windows application that also supports TWAIN. TWAIN, the industry standard, was developed by the TWAIN working group which consists of representatives from many leaders in the scanner hardware and software industry.

TX

See *Sending*.

Typeface

The printed design of characters. For instance, Courier, Script, and Roman typefaces all print characters of different designs.

Typestyle

Refers to how the typeface appears: slanted (italic) or upright.

U**UHQ™ (Ultra High Quality)**

An exclusive Canon digital image processing system that incorporates 64 shades of gray along with a special edge enhancement feature which ensures that text and photos are transmitted with ultimate clarity.

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