Canon

WORKGROUP SYSTEMS

LASER CLASS® 510
LASER CLASS® 310
LASER CLASS® 2050P

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STEP UP IN CLASS TO CANON'S LASER CLASS MULTIFUNCTION DEVICES

The Canon LASER CLASS 510 is the ideal multifunction device for small companies, branch offices, or workgroups that have low- to mid-volume facsimile and laser printing needs—but require top-quality output.

LASER CLASS 510

For companies with mid-volume faxing and low-volume copying and printing requirements, the LASER CLASS 510 offers a powerful and affordable desktop solution. This device is a platen-based MFP solution that offers the ability to fax and copy from the Automatic Document Feeder or the platen.

The LASER CLASS 510 includes copying solutions that have 1200 x 600 dpi enhanced resolution, a 50% - 200% Zoom Ratio at 1% increments, exposure control, and convenient preset enlargement and reduction settings. Using paper sizes from envelope to legal, the LASER CLASS 510 can provide copy runs of up to 99 copies—and even employ electronic collating to give you ready-to-use documents.

With its standard, built-in Windows® print driver, the LASER CLASS 510 provides desktop 15-ppm (letter) laser printing via a USB port. What's more, when configured with an optional network print server, the Canon LASER CLASS 510 can accommodate the expanding needs of small offices by serving as a shared network printer and fax.

Plus, the LASER CLASS 510 model's Super G3 technology provides industry-leading facsimile speed, and the 8MB of memory stores up to 500 pages** of documents. It also has a host of convenience features that streamline office jobs, like standard PC faxing, Print-in-Order output that gives you ready-to-use documents, Full Dual Access that enables you to scan and fax simultaneously, and a 250-page paper capacity that is sufficient to handle your most demanding requirements.

No matter how difficult the task, the LASER CLASS 510 has the capability to handle virtually any faxing, printing, or copying job.

The Canon LASER CLASS 510 gives your company the following productivity features:

- Powerful, high-speed faxing capability; direct laser printing via standard USB port; optional network printing/faxing using the AXIS 1650 Print Server
- Built-in flatbed glass platen that enables Book Mode faxing or copying of three-dimensional sources like books and magazines
- 15-page-per-minute (letter) desktop laser printer with 1200 x 600 dpi enhanced resolution
- Standard PC faxing with Address Book of up to 3,000 addresses
- 3-second-per-page* transmission speed via 33.6 Kbps modem
- JBIG compression
- 50-sheet Automatic Document Feeder
- 600 x 600 dpi scan resolution
- 8MB memory (up to 500 pages**)
- One standard 250-sheet side-loading letter-/legal-sized adjustable cassette, with 10-sheet letter-/A4-/legal-sized Alternative Manual Feeder†
- 8,000-page-per-month maximum duty cycle
- Sequential Broadcast to up to 210 locations
- Face-down collated output
- Full-yield FX8 Cartridge (up to 3,500 prints▪) and handset included

AXIS 1650 Print Server

Whether you run a small business, work in a branch office, or manage the executive suite, the Canon LASER CLASS 310 is ready to answer your call for productive, affordable plain paper laser faxing, printing, and copying.

LASER CLASS 310

Simple to use and maintain, the LASER CLASS 310 will reliably produce crisp laser pages with every job. The system features a 50-sheet Automatic Document Feeder to quickly scan up to legal-sized pages. There's also a 500-sheet paper capacity that's sufficient to handle your most demanding requirements.

Increase your faxing productivity with Super G3 technology to transmit documents as fast as three seconds per page.* Its standard 8MB of memory holds up to 510 pages** of inbound or outbound faxes, while Canon's exclusive UHQ (Ultra High Quality) technology and 300 x 300 dpi optical scanning resolution ensure superior image capture and reproduction of every page.

Leverage your investment in the latest fax technology by using the LASER CLASS 310 as your laser printer. Canon provides powerful printing technology with standard USB connectivity to enable 1200 x 600 dpi enhanced laser printing in common Windows® environments. For multiuser workgroups, simply connect the external AXIS 1650 Print Server to allow all connected users to print to the LASER CLASS 310 and save even more time, space, and money.

The LASER CLASS 310 adds value as an efficient 19-cpm (letter) plain paper copier at no additional cost. Make up to 99 letter- or legal-sized copies at a time, with complete control over image quality, exposure, and sizing right at your fingertips. With its advanced features, the LASER CLASS 310 gives you a powerful productivity partner that works the way you work.

The LASER CLASS 310 gives your company the following productivity features:

- Powerful, high-speed faxing capability; direct laser printing via standard USB port; optional network printing using the AXIS 1650 Print Server
- 19-page-per-minute (letter) laser printer with 1200 x 600 dpi enhanced resolution
- 3-second-per-page* transmission speed via 33.6 Kbps modem
- JBIG compression
- 50-sheet Automatic Document Feeder
- 300 x 300 dpi scan resolution
- 8MB memory (up to 510 pages**)
- One standard 500-sheet side-loading letter-/legal-sized adjustable cassette, with one-sheet letter-/A4-/legal-sized Multi-Purpose Tray
- 8,000-page-per-month maximum duty cycle
- Sequential Broadcast to up to 210 locations
- Face-down collated output
- Full-yield FX8 Cartridge (up to 3,500 prints■) and handset included
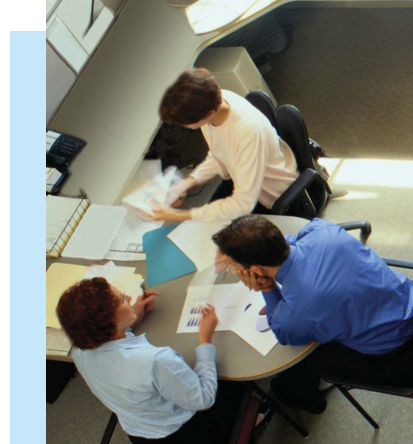
FX8 Cartridge

* Approximate 3-second-per-page fax transmission time based on ITU-T No. 1 Chart (MMR, Standard Mode) at 33.6 Kbps modem speed when transmitting to another V.34 machine. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or lower, depending on telephone line conditions.

** Based on ITU-T No. 1 Chart (Standard Mode).

■ Based on 4% original, 5% coverage.

The Canon LASER CLASS 2050P is the perfect fit for workgroups or small offices that require clear and accurate facsimile and laser printing capabilities and a remarkably small footprint.

LASER CLASS 2050P

With the power to handle a monthly duty cycle of up to 6,000 pages per month, the desktop LASER CLASS 2050P provides many productivity features. Its 4MB of memory enables you to store up to 256 pages** in memory for either incoming or outgoing faxes, while the standard industry-leading Super G3 technology provides 3-second-per-page* transmission speed. There's also an easy-to-use control panel and an easy-to-access FX3 full-yield front-loading Cartridge.

The LASER CLASS 2050P provides the quality you expect from award-winning Canon multifunction LASER CLASS devices. With a range of productivity features, like face-down collated output for instant use of documents, Full Dual Access that enables you to scan and fax at the same time, and a user-friendly control panel, the LASER CLASS 2050P gives you powerful and reliable solutions for your enterprise.

The LASER CLASS 2050P provides your company with the following features:

- Powerful, high-speed faxing capability and direct laser printing via standard USB port
- 3-second-per-page* transmission speed via 33.6 Kbps modem
- 6-page-per-minute (letter) local laser printer with 600 x 600 dpi enhanced resolution
- Support for Super Fine Mode
- 400 x 300 dpi scan resolution
- 4MB memory (up to 256 pages**)
- Standard 350-sheet paper capacity (total)—one 250-sheet front-loading letter-/A4-sized adjustable cassette, and one 100-sheet letter-/A4-/legal-sized MultiPurpose Tray
- Automatic paper selection for incoming faxes/print jobs
- Compact size, designed for desktop use
- 40-sheet Automatic Document Feeder***
- 6,000-page-per-month duty cycle
- Face-down collated output
- Full-yield FX3 Cartridge (up to 2,700 prints▪) and handset included

FX3 Cartridge

* Approximate 3-second-per-page fax transmission time based on ITU-T No. 1 Chart (MMR, Standard Mode) at 33.6 Kbps modem speed when transmitting to another V.34 machine. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or lower, depending on telephone line conditions.
** Based on ITU-T No. 1 Chart (Standard Mode).
*** 20 lb., less than 120μm, 15-27.5° C, 20-80% RH
▪ Based on 4% original, 5% coverage.

A PRODUCTIVITY PARTNER THAT MEANS BUSINESS

Maximizing productivity is key in making your business successful. The Canon LASER CLASS 510, LASER CLASS 310, and LASER CLASS 2050P multifunction solutions are designed and built to help you send and receive the vital information that drives your business. With a world-class service and support network that will keep you up and running, Canon is proud to be your productivity partner.

Comparison Chart

	LASER CLASS 510	LASER CLASS 310	LASER CLASS 2050P
TX Speed	3 Seconds/Page*; JBIG	3 Seconds/Page*; JBIG	3 Seconds/Page*
ADF Capacity	50 Sheets	50 Sheets	40 Sheets***
Fax from Platen/ADF	Platen/ADF	ADF	ADF
Std./Max. Memory	Up to 500 Pages** (8MB)	Up to 510 Pages** (8MB)	Up to 256 Pages** (4MB)
Std. Paper Capacity	250/10 Sheets†	500/1 Sheets (Total 501 Sheets)	250/100 Sheets (Total 350 Sheets)
Print Speed (Letter)	15 ppm	19 ppm	6 ppm
Direct Printing	Standard USB	Standard USB	Standard USB
Network Printing/Faxing	Optional	Optional/Not Available	Not Available
Enhanced Print Resolution	1200 x 600 dpi	1200 x 600 dpi	600 x 600 dpi
Speed-Dials	200 Locations	200 Locations	124 Locations
Handset	Standard	Standard	Standard
Cartridge	Full-Yield FX8 Included	Full-Yield FX8 Included	Full-Yield FX3 Included

* Approximate 3-second-per-page fax transmission time based on ITU-T No. 1 Chart (MMR, Standard Mode) at 33.6 Kbps modem speed when transmitting to another V.34 machine. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or lower, depending on telephone line conditions.

** Based on ITU-T No.1 Chart (Standard Mode).

*** 20 lb., less than 120µm, 15-27.5° C, 20-80% RH

† Alternative 10-sheet Manual Feeder supports same paper size, weight, and type as paper cassette.

LASER CLASS® 510
LASER CLASS® 310
LASER CLASS® 2050P

LASER CLASS 510/310/2050P Specifications

Type:	Desktop Transceiver
Applicable Line:	Public Switched Telephone Network
Compatibility:	G3
Automatic Document Feeder	
LASER CLASS 510:	Up to 50 Sheets (Letter)
	Up to 30 Sheets (Legal)
LASER CLASS 310:	Up to 50 Sheets (Letter)
	Up to 20 Sheets (Legal)
LASER CLASS 2050P:	Up to 40 Sheets (Letter)***
	Up to 20 Sheets (Legal)
Scanning Method:	Contact Image Sensor
Document Sizes	
LASER CLASS 510:	Maximum (Platen): 8.5" x 11.6"
	(216mm x 297mm)
	Maximum (ADF): 8.5" x 39-3/8"*††
	(216mm x 1m)
	Minimum (ADF): 5.8" x 4.1"
	(148mm x 105mm)
LASER CLASS 310:	Maximum (ADF): 8.5" x 39-3/8"*††
	(216mm x 1m)
	Minimum (ADF): 5.8" x 4.1"
	(148mm x 105mm)
LASER CLASS 2050P:	Maximum (Manual): 8.5" x 39"
	(216mm x 1m)
	Minimum (ADF): 5.8" x 4.1"
	(148mm x 105mm)
	Minimum (Manual): 3.5" x 1.75"
	(88.9mm x 44.5mm)
Effective Scanning Width	
LASER CLASS 510/2050P:	8.4" (214mm)
LASER CLASS 310:	8.34" (212mm)
Scanning Resolution:	
LASER CLASS 510:	600 x 600 dpi
LASER CLASS 310:	300 x 300 dpi
LASER CLASS 2050P:	400 x 300 dpi
Data Compression System:	
LASER CLASS 510/310:	MH, MR, MMR, JBIG
LASER CLASS 2050P:	MH, MR, MMR
Modem Speed:	33.6/31.2/28.8/26.4/24.0/21.6/
	19.2/16.8/14.4/12.0/9.6/7.2/4.8/
	2.4 Kbps Automatic Fallback
Transmission Speed:	Approx. 3 Sec./Page*
Printing Method:	Laser Dry Electrostatic Transfer
Printing Speed	
LASER CLASS 510:	Approx. 15 Pages/Min. (Letter)
LASER CLASS 310:	Approx. 19 Pages/Min. (Letter)
LASER CLASS 2050P:	Approx. 6 Pages/Min. (Letter)
Halftone	
LASER CLASS 510/310:	256 Shades of Gray
LASER CLASS 2050P:	64 Shades of Gray

Tx/Rx Resolution:

	Horizontal		Vertical
Ultra Fine Mode:	406 pels/in.	x	391 lines/in.
(LASER CLASS 510/310 Only)	(16 pels/mm	x	15.4 lines/mm)
Super Fine Mode:	203 pels/in.	x	391 lines/in.
	(8 pels/mm	x	15.4 lines/mm)
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)

Effective Printing Width	
LASER CLASS 510/310:	8.34" (212mm)
LASER CLASS 2050P:	8.19" (208mm)
Paper Supply	
LASER CLASS 510:	250-Sheet Cassette (Letter/Legal)
	10-Sheet Alternative Manual Feeder†
LASER CLASS 310:	500-Sheet Cassette (Letter/Legal)
	1-Sheet MultiPurpose Tray
LASER CLASS 2050P:	250-Sheet Cassette (Letter)
	100-Sheet MultiPurpose Tray (Letter/Legal)

Receiving Paper Tray:	50 Sheets, Face-Down
Recording Paper Size:	Letter/Legal/A4
Enhanced Imaging Quality:	UHQ (Ultra High Quality)
Enhanced Printing Resolution	
LASER CLASS 510/310:	1200 x 600 dpi
LASER CLASS 2050P:	600 x 600 dpi
Toner Cartridge	
LASER CLASS 510/310:	FX8 Cartridge
LASER CLASS 2050P:	FX3 Cartridge
Cartridge Yield	
LASER CLASS 510/310:	Approx. 3,500 Pages■
LASER CLASS 2050P:	Approx. 2,700 Pages■
Power Consumption	
LASER CLASS 510:	Max: 650W/Standby, 11W
LASER CLASS 310:	Max: 600W/Standby, 9W
LASER CLASS 2050P:	Max: 660W/Standby, 5W
ENERGY STAR® Qualified:	Yes
Handset Kit:	Standard
Dimensions (H x W x D) (Excluding Tray)	
LASER CLASS 510:	17-7/8" x 24" x 18"
	(453mm x 626mm x 457mm)
LASER CLASS 310:	15-1/2" x 17-3/8" x 18-3/8"
	(392mm x 441mm x 466mm)
LASER CLASS 2050P:	12" x 18-1/8" x 19"
	(303.5mm x 460mm x 483mm)
Weight	
LASER CLASS 510:	35.9 lb. (16.3kg)
	(Including Handset and Cartridge)
LASER CLASS 310:	26.7 lb. (12.1kg)
	(Including Handset and Cartridge)
LASER CLASS 2050P:	28.7 lb. (13kg) (Excluding Handset)
Environmental Conditions	
Temperature:	50°F - 90.5°F (10°C - 32.5°C)
Humidity:	20% - 80% RH
Maximum Monthly Print Volume	
LASER CLASS 510/310:	8,000 Prints
LASER CLASS 2050P:	6,000 Prints
Support OS:	Windows 98/Me/2000/XP
Dialing:	Automatic Dialing
One-Touch Speed-Dialing	
LASER CLASS 510:	30 Locations
LASER CLASS 310:	32 Locations
LASER CLASS 2050P:	24 Locations
Coded Speed-Dialing	
LASER CLASS 510:	170 Locations
LASER CLASS 310:	168 Locations
LASER CLASS 2050P:	100 Locations
Group Dialing:	
LASER CLASS 510/310:	199 Groups; Each Group Can Accom-modate up to 199 Locations
LASER CLASS 2050P:	123 Groups; Each Group can Accom-modate up to 123 Locations
Maximum Dial Digits:	120
On-Hook Dialing	
Manual Dialing with 10-Button Keypad	
Automatic Redialing:	Redial Times: 1 to 10 Times
	Redial Interval: 2 to 99 Min.
Networking	
Delayed Transmission	
LASER CLASS 510/310:	Up to 210 destinations and up to 20 reservations
LASER CLASS 2050P:	Up to 125 destinations and up to 20 reservations
Memory/Polling Transmission	
Polling Reception	
LASER CLASS 510/310:	Up to 210 Locations
LASER CLASS 2050P:	Up to 125 Locations

Sequential Broadcast	
LASER CLASS 510/310:	Up to 210 Locations
LASER CLASS 2050P:	Up to 125 Locations
	Delay Broadcast Command/Delayed
	Relay Broadcast Command
Memory Transmission/Reception	
LASER CLASS 510:	8MB (500 Pages**)
LASER CLASS 310:	8MB (510 Pages**)
LASER CLASS 2050P:	4MB (256 Pages**)
	Receiving Restriction
Convenience:	
Auto Receive Reduction (70% - 100%)	
Remote Reception by Extension Phone	
Transmission Reservation:	Up to 20 Reservations
Copy Zoom: (50% - 200%)	LASER CLASS 510/310
Book Sending:	LASER CLASS 510
PC Faxing:	LASER CLASS 510
	Windows Fax Driver Included
Quick On-Line Tx:	LASER CLASS 2050P
LCD (Liquid Crystal Display):	20-Digit x 2-Line
Local Copy Function:	Multiple Copies Up to 99 Pages
Memory Backup:	One Hour
Report/Reference:	Activity Report (Up to 20 Transactions)
	Non-Delivery Report
ECM (Error Correction Mode):	Yes
Warranty:	90 Days
Options:	Braille Kit-A1 (510/310)
	Braille Kit-C1 (2050P)
	AXIS 1650 Print Server (510/310)

AXIS 1650 Print Server (Optional for LASER CLASS 510/310)

CPU:	AXIS ETRAX 100LX 32-Bit 100MHz RISC
Memory (RAM):	8MB
Memory (ROM):	2MB (Flash™)
Supported Systems:	Windows 98/Me/2000/XP/Server 2003■■
Printing Protocol:	Windows: TCP/IP
Supported Protocols	
TCP/IP:	LDP, FTP, BOOTP, ARP, RARP, DHCP, ICMP, IGMP, IP, TCP, UDP, HTTP, SLP v1/v2, SNMP v1, RawTCP, DNS, DDNS, WINS, SNTP
Network Management:	NetSpot Device Installer, AXIS CAPT Print Monitor (for printer installation, can be used regardless of the printer type), DSNMP-MIB II compliant (RFC1213), Canon MIB, Printer MIB (RFC1759), HOST MIB (RFC1514)
Printer Connection:	Parallel, USB (Including USB Cable)
Power Consumption:	Max. 5.6W (From External Power Supply)
Weight:	0.18 lb. (.08kg)
Dimensions (H x W x D):	1-1/8" x 2-1/2" x 4-5/8"
	(29mm x 62mm x 117mm)

* Approximate 3-second-per-page fax transmission time based on ITU-T No. 1 Chart (MMR, Standard Mode) at 33.6 Kbps modem speed when transmitting to another V.34 machine. The Public Switched Telephone Network (PSTN) currently supports 28.8 Kbps modem speeds or lower, depending on telephone line conditions.

** Based on ITU-T No. 1 Chart (Standard Mode).

*** 20 lb., less than 120μm, 15-27° C, 20-80% RH

† Alternative 10-Sheet Manual Feeder supports the same paper size, weight, and type as cassette.

†† One page document for fax sending only.

■ Based on 4% original, 5% coverage.

■■ LASER CLASS 510/310 do not support Windows 2003.

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SUPER G3 HIGH-SPEED FACSIMILE

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ENERGY STAR

50 years and beyond — Canon Americas