

imageRUNNER ADVANCE C2220 / C2230 Series

Revision: 3

December 18, 2013



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Products listed in this document are the only products officially supported. If a product is not listed, Canon Australia cannot guarantee its compatibility or behaviour with the:

imageRUNNER ADVANCE C2220 / C2230 Series

The information set out in this document are the only statements authorised by Canon Australia as to the performance and characteristics of the:

imageRUNNER ADVANCE C2220 / C2230 Series

Revision History:		
Revision 0	27-Nov-2012	Beta SID in Progress
Revision 1	31-May-2013	Initial Release
Revision 2	10-Jul-2013	Added Multimedia Reader/Writer Requirements
Revision 3	18-Dec-2013	Scanning Function Specifications Corrected

Product Overview

Maintaining high additional value, low initial cost, and assured basic performance in a compact body, this product increases market competitiveness through support for accessories, strengthened system functions, enhanced environmental protection and energy saving, and improved product reliability.

Product Replaces

imageRUNNER ADVANCE C2020 / C2030

Major Differences to the above

- * Copy speed: 30/30cpm (iR-ADV C2230 series), 20/20cpm (iR-ADV C2220 series)
- * LASER Scanner Unit and machine body are downsized facilitating a compact configuration.
- * Paper capacity of the 1st cassette is increased from 250 to 520 sheets.
- * This product improves visibility and operability for users by the larger Touch Panel.
- * Introduction of Quick Start mode (15 seconds or less from when the main switch is turned on).

Standard Inclusions / Optional Accessories

Refer to the Accessories and Configuration section of this document.

Life Expectancy

1,000,000 pages or 5 years, whichever is earlier.

Installation and Servicing

Installation and servicing will be performed on-site by Canon Technical Consultants or authorised Business Partners. Service is performed onsite at the customer's location.

Training

e-Learning is available for this product / series.

Basic customer training is included with the installation while advanced customer training is chargeable.

eMaintenance

eRDS, Agent or Server (eConsumables - Pre-Toner Low)

Warranty

The product will be offered under a copy cost contract - Differentiated Service Pack or TGS. Where no copy cost contract is taken, the product is sold with 30 days manufacturer's warranty.

Support Contact Details

Phone support to customers will be provided by the Customer Contact Centre on 13 13 83

Canon staff should contact Technical Services by email: ts@canon.com.au

Canon Business Partners should contact Indirect Support by email: partner.ts@canon.com.au

Product Specifications:

Differences Between Models:	C2230	C2220		
Print Speed (A4) B&W	30 ppm	20 ppm		
Print Speed (A4) Colour	30 ppm	20 ppm		

Product Specifications:

Items Common to All Models:	Specification:
Toner Monitoring Method (UGW)	Pre-Toner Low
Copyboard	Stream Reading, original fixed reading.
Body	Desktop
Light Source	LED (White)
Photosensitive Drum	OPC Drum x 4
Exposure Method	Laser Exposure
Charging Method	Roller Charging
Developing Method	Dry, 2-component development
Transfer Method	Intermediate Belt transfer. Primary transfer: Transfer Roller method Secondary transfer: Intermediate Belt transfer + Transfer Roller method
Separation Method	Curvature separation method + Static Eliminator
Pickup Method	Cassettes - Pickup Roller + Separation Roller Multi-Purpose Tray - Pickup Roller + Separation Pad
Fixing Method	On-demand fixing
Delivery Method	Face-down
Drum Cleaning Method	Cleaner-less method
Transfer Cleaning Method	Cleaning Blade
Toner Type	Nonmagnetic negative toner
Toner Supply Method	Toner Container method
Toner Level Detection Function	Yes (Reflection LED)
Leading Edge Image Margin	4.0+1.5/-1.0mm
Left Edge Image Margin	2.5 +/- 1.5mm
Leading Edge Non-image Width	4.0+1.5/-1.0mm
Left Edge Non-image Width	2.5 +/- 1.5mm
Warm-up Time (From Sleep)	10sec. or less
Warm-up time (Switch on, Quick Start = ON)	10 seconds or less
Image Gradations	256 gradations Multiple values
Warm-up time (Switch on, Quick Start = OFF)	34 seconds or less
FCOT (First Copy Out Time) B&W	5.9 secs (Hot Start). Within 15 secs (Cold Start)
FCOT (First Copy Out Time) Colour	8.9 secs (Hot Start). Within 15 secs (Cold Start)
Print Resolution (Full Speed)	600 x 600dpi
Print Resolution (Half Speed)	1200 x 1200dpi
Duplex Method	Through-pass duplexing
Memory Capacity	Main Controller PCB 1: 1GB Main Controller PCB 2: 1GB
FLASH Memory	4GB
HDD Capacity	80GB

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Product Specifications:

Items Common to All Models:	Specification:
Operating Noise	68.5dB or less (During color print: 25-ppm model)
Maximum Power Consumption	1.5kW or less
Power Consumption During Copying	549.7 kW (iR-ADV C2230)
Power Consumption During Standby	65.6 kW (iR-ADV C2230)

Hardware Accessories:

Item:	New / Common:	Remarks:
DADF-AJ1	New	
Stamp Ink Cartridge-C1	Common	
Stamp Unit-B1	Common	
ADF Access Handle-A1	Common	
Cassette Feeding Unit-AF1	Common	
FL Cassette-AN1	Common	
FL Cassette-AM1	Common	
FL Cassette-AR1	New	
Envelope Feeder Attachment-D1	Common	
Copy Tray-J1	Common	
Staple Finisher-M1	New	
Inner Finisher-F1	New	
Booklet Finisher-M1	New	
Inner Finisher Additional Tray-A1	Common	
Inner 2way Tray-F1	Common	
Buffer Pass Unit-K1	New	
3way Unit-C1	New	
Staple Cartridge-D2	Common	
Staple Cartridge-D3	Common	
Staple-J1	Common	For Inner Finisher-C1
Reader Heater Kit-J1	Common	
Cassette Heater Unit-37	Common	
UtilityTray-A2	Common	
Card Reader-F1	Common	
Copy Card Reader Attachment-B3	Common	
Card Set 1 / 2 / 3 / 4 / 5 / 6	Common	For Copy Data Controller A1
Card Set-A1 / A2 / A3 / A4 / A5 / A6	Common	

System Accessories:

Item:	New / Common:	LMS:	Remarks:
Super G3 FAX Board-AH2	New	No	1-line Fax Board
Super G3 2nd Line Fax Board-AH1	Common	No	Option for 1-line Fax Board
PCL Printer Kit-AT1	New	Yes	
PS Printer Kit-AT1	New	Yes	
Direct Print Kit (for PDF)-H1	Common	Yes	
Direct Print Kit (for XPS)-H1	Common	Yes	
Barcode Printing Kit-D1	Common	Yes	
Universal Send Advanced Feature Set-D1	Common	Yes	Trace & Smooth PDF, searchable PDF/XPS function
Universal Send Security Feature Set-D1	Common	Yes	
Universal Send Digital User Signature Kit-C1	Common	Yes	Kit for generating User Signature PDF/XPS
Remote Operators Software Kit-B1	Common	Yes	
Voice Guidance Kit-F2	Common	No	
Voice Operation Kit-C2	Common	No	
Data Erase Kit-C1	Common	Yes	
HDD Data Encryption Kit-C3	Common	No	
Encrypted Printing Software-D1	Common	Yes	
Secure Watermark-B1	Common	Yes	
Document Scan Lock Kit-B1	Common	Yes	
Access Management System Kit-B1	Common	Yes	
Web Browser Expansion Kit-H1	Common	Yes	
Web Access Software-H1	Common	Yes	
USB Device Port-E2	New	No	
eM Controller-C1, 230V	Common	No	Supported by RDS Agent V3.3 and later.
Removable HDD Kit-AE1	Common	No	
Multimedia Reader/Writer-A2	Common	No	Option for USB device port
Serial Interface Kit-K1	Common	No	
Copy Control Interface Kit-A1	Common	No	Requires USB Device Port-E2
Common Criteria Certification	New	No	

Supported & Unsupported Canon Software Applications:

Product Name:	Supported Version:
Address Book Conversion Utility	1.01
CC-100	2.83
Canon Font Manager	3.00
Canon LPR2	Not supported
Canon NDPS Gateway	Not supported
Embedded Log-in for uniFLOW	Not supported
Font Backup Utility for Macintosh	Not supported
MEAP Connector SDK	1.0
MEAP Connector for Document Server	1.2
MEAP Connector for FTP	1.2
MEAP Connector for SMB	1.2
MEAP Connector for SMB Indexing	1.2
MEAP Connector for SharePoint® Server 2007	1.1
MEAP Login Application SDK	3.02
MEAP SDK	4.20
MEAP Web	1.0.1
NetSpot Device Installer (Mac)	3.2.2 (3202)
NetSpot Device Installer (Win/Unix/Linux)	3.2.2 (3202)
NetSpot Job Monitor	Not supported
NetSpot Resource Down Loader	Not supported
RDS	Not supported
RDS Agent	3.3
iW Access Management System	3.1.0
iW Accounting Manager for MEAP	3.1.4
iW Desktop	3.0.0
iW Document Manager Client for MEAP	Not supported
iW Document Manager Gateway	Not supported
iW Document Manager Personal	Not supported
iW Document Manager Workgroup/Enterprise	Not supported
iW Document Server	2.0.1
iW Function Flow	2.2.2
iW Function Flow Editor	2.2
iW Function Flow Manager	2.0.2
iW Gateway for SDK	Not supported
iW Output Manager SDK	Not supported
iW Output Manager Select Edition	Not supported

* iW Stands for imageWARE

* Discontinued products are not included here

* 'Not Supported' This is available, but not supported by this machine

Supported & Unsupported Canon Software Applications:

Product Name:	Supported Version:
iW POD HotFold	Not supported
iW Prepress Manager Select	Not supported
iW Prepress Manager – CCD	Not supported
iW Print Job Manager	Not supported
iW Publishing Manager Standard	3.1.3
iW Scan Manager	Not supported
iW Scan Manager DS	1.1
iW Secure Audit Manager	2.0.1
iW360	Not supported
iWMC (iW Management Console)	3.2
iWMC RDS Plug-in	3.1.2

* iW Stands for imageWARE

* Discontinued products are not included here

* 'Not Supported' This is available, but not supported by this machine

Supplies and Consumables:

iR-ADV C2230

Product:	Description:	Mercury Code:	Avg Life:
Drum	Black - NPG-52 Drum	3786B002AA	51,000
Drum	Cyan - NPG-52 Drum	3787B002AA	46,000
Drum	Magenta - NPG-52 Drum	3788B002AA	46,000
Drum	Yellow - NPG-52 Drum	3789B002AA	46,000
Toner	NPG-52 BK	3782B001AA	23,000
Toner	NPG-52 C	3783B001AA	19,000
Toner	NPG-52 M	3784B001AA	19,000
Toner	NPG-52 Y	3785B001AA	19,000

iR-ADV C2220

Product:	Description:	Mercury Code:	Avg Life:
Drum	Black - NPG-52 Drum	3786B002AA	39,000
Drum	Cyan - NPG-52 Drum	3787B002AA	36,000
Drum	Magenta - NPG-52 Drum	3788B002AA	36,000
Drum	Yellow - NPG-52 Drum	3789B002AA	36,000
Toner	NPG-52 BK	3782B001AA	23,000
Toner	NPG-52 C	3783B001AA	19,000
Toner	NPG-52 M	3784B001AA	19,000
Toner	NPG-52 Y	3785B001AA	19,000

iR-ADV C2220 / C2230

Product:	Description:	Mercury Code:	Avg Life:
WTC	Waste Toner Container	FM3-8137-000	15,000

Staple Finisher - M1 / Saddle Finisher - M1

Product:	Description:	Mercury Code:	Avg Life:
Staples	Staple-J1 (Normal Stapling)	SPLJ1	5,000
Staples	Staple-D2 (Saddle Stitching)	SPLD2	2,000
Staples	Staple-D3 (Saddle Stitching)	SPLD3	2,000

Inner Finisher-C1

Product:	Description:	Mercury Code:	Avg Life:
Staples	Staple-J1 (Normal Stapling)	SPLJ1	5,000

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Supplies and Consumables:

Inner Finisher-C1

Product:	Description:	Mercury Code:	Avg Life:
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- * Estimate Life is based on an A4 page @ 5% of toner coverage.
- * Value is based on A4 sized paper. Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.
- * Colour ratio median value 10% to 30% of copy/print monthly volume.

Product Life & Recommended Volumes:

Monthly Volumes (Recommended)

Model:	Min:	Avg:	Optimal:	Max*:	Measurement:
iR-ADV C2230	3,000		19,000	25,000	A4 Copies
iR-ADV C2220	3,000		16,000	20,000	A4 Copies

* The Maximum Monthly Volume (Print/Copy) represents the maximum number of pages the machine can produce within a one-month period. It is not recommended to operate the machine at or beyond this volume on a consistent monthly basis.

Estimated Product Life:

Model:	Item:	Estimated Life:
iR-ADV C2230 / C2220	Reader	500,000 scans (A4/LTR size)
iR-ADV C2230 / C2220	ADF	250,000 sheets
iR-ADV C2230 / C2220	Printer	1,000,000 pages* or 5 years, whichever is earlier

- * Estimate Life is based on an A4 page @ 5% of toner coverage.
- * Estimated average values in the field, based on data from supplier. Data is subject to change depending upon many factors including, without limitation, monthly copy volume, environment, type of image printed and customer handling of the equipment.

Supported Paper Specifications:

(All paper capacities are based on 80gsm plain paper unless otherwise stated).

Main Body

Component:	Sizes / Explanations:	Weight:	Capacity:
Cassette 1	A3, B4, A4, B5, LDR, EXE, 8K, 16K, STMT	60gsm to 120gsm 1-sided: 64gsm to 120gsm 2-sided	520 sheets
Cassette 2	A3, B4, A4, A4R, A5R, B5, B5R, LDR, LGL, LTR, EXE, LTRR, 8K, 16K, STMTR, 12"x18"	60gsm to 163gsm 1-sided: 64gsm to 120gsm 2-sided	550 sheets
Manual Feed	A3, B4, A4, A4R, A5R, B5, B5R, LDR, LGL, LTR, EXE, LTRR, 8K, 16K, STMTR, 12"x18", SRA3, K8, K16 Postcard, Envelope: Width: 99 to 320mm; Length: 140 to 457mm Custom paper size: 90x140 to 320x457mm Up to 1200mm in the vertical scanning direction can be specified from the service mode	60gsm to 220gsm	100 sheets

DADF-AC1

Component:	Sizes / Explanations:	Weight:	Capacity:
Copy Tray - Single Sided	B6/A5/B5/A4/B5R/A5R/A4R/B4/A3 (B6:Cross feed only)	42-128 gsm	50 sheets
Copy Tray - Double Sided	B6/A5/B5/A4/B5R/A5R/A4R/B4/A3 (B6:Cross feed only)	50-128 gsm	50 sheets
Copy Tray - Colour Document	B6/A5/B5/A4/B5R/A5R/A4R/B4/A3 (B6:Cross feed only)	64 - 128 gsm	50 sheets
Copy Tray - B&W Document	B6/A5/B5/A4/B5R/A5R/A4R/B4/A3 (B6:Cross feed only)	50 - 128 gsm	50 sheets
Copy Tray - Document > 432mm	B6/A5/B5/A4/B5R/A5R/A4R/B4/A3 (B6:Cross feed only)	60 - 90 gsm	50 sheets

Cassette Feeding Unit-AF1

Component:	Sizes / Explanations:	Weight:	Capacity:
Cassettes 1 & 2	Standard (universal) A3,B4,A4,B5, LDR,LGL,LTR,A4R,B5R,LTRR, A5R, EXEC,STMTR,12"x18",8K,16K,16KR	60 to 163 gsm	550 sheets

Inner Finisher-F1

Component:	Sizes / Explanations:	Weight:	Capacity:
Finishing Mode (Non-Sort Stacking)	A3/A4/A4R/A5/A5R/B4/B5/B5R/Japanese Post Card/EXE/LDR/LGL/LTR/LTR-R/STMT/STMT-R 8K/16K/16K-R SRA3(320X450)/A3+(305X457)	60-220 gsm	

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Supported Paper Specifications:

(All paper capacities are based on 80gsm plain paper unless otherwise stated).

Inner Finisher-F1			
Component:	Sizes / Explanations:	Weight:	Capacity:
Finishing Mode (Bunch Offset Stacking)	A3/A4/A4R/B4/B5 LDR/LGL/LTR/LTR-R 8K/16K	60-220 gsm	
Finishing Mode (Staple Stacking)	A3/A4/A4R/B4/B5 LDR/LGL/LTR/LTR-R 8K/16K	60-220 gsm	
Stacking capacity (Processing Tray)	(S) Length in feeding direction: 139.7mm - 215.9mm (L) Length in feeding direction: more than 216.0mm - 457.0mm	60-220 gsm	S size: 50 sheets or Less L size: 30 sheets or Less
Stacking capacity (Standard Lower Tray Only)	S size: 94.0mm high or less (94.0mm is equivalent to 750 sheets+/-.) L size: 62.5mm high or less (62.5mm is equivalent to 500 sheets+/-.)	60-220 gsm	
Stacking capacity with Additional Tray-A1 (Upper Tray))	S size: 12.5mm high or less (12.5mm is equivalent to 100 sheets+/-.) L size: 12.5mm high or less (12.5mm is equivalent to 100 sheets+/-.)	60-220 gsm	
Stacking capacity with Additional Tray-A1 (Lower Tray)) Random Stacking	S size: 44.0mm high or less (44.0mm is equivalent to 350 sheets+/-.) L size: 44.0mm high or less (44.0mm is equivalent to 350 sheets+/-.)	60-220 gsm	
Stacking capacity with Additional Tray-A1 (Lower Tray)) Cascade Stacking	S size: 94.0mm high or less (94.0mm is equivalent to 750 sheets+/-.) L size: 62.5mm high or less (62.5mm is equivalent to 500 sheets+/-.)	60-220 gsm	
Stacking Capacity (Stapled Stack)	Above-mentioned heights or within 30 books	60-220 gsm	
Capable Size for Stapling (Single Corner)	A3/B4/A4/A4R/B5 LDR/LGL/LTR/LTR-R 8K/16K	60-220 gsm	
Capable Size for Stapling (Saddle Stitch)	A3/B4/A4/A4R/B5 LDR/LGL/LTR/LTR-R 8K/16K	60-220 gsm	
Capable Number of Sheets for Stapling (Small Size)	A4/B5/LTR/16K	Plain paper (60-82 gsm)	50 sheets (Max: 2 sheets x Cover paper (220g/m ²) + 48 sheets x bookblock (81.4g/m ²))
	A4/B5/LTR/16K	Plain paper (more than 82g/m ² -105.0 gsm)	30 sheets
	A4/B5/LTR/16K	Thick paper (more than 105.0g/m ² - 220 gsm)	2 sheets
Capable Number of Sheets for Stapling (Large Size)	A3/B4/A4R/LDR/LGL/LTR-R/8K	Plain paper(60-82g/m ²)	30 sheets
	A3/B4/A4R/LDR/LGL/LTR-R/8K	Plain paper (more than 82g/m ² -105.0g/m ²)	20 sheets
	A3/B4/A4R/LDR/LGL/LTR-R/8K	Thick paper (more than 105.0g/m ² - 220g/m ²)	2 sheets

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Supported Paper Specifications:

(All paper capacities are based on 80gsm plain paper unless otherwise stated).

Inner Finisher-F1

Component:	Sizes / Explanations:	Weight:	Capacity:
Staple Replenishment	Exclusive Staple Cartridge		5,000 Staples

Staple Finisher M1 / Booklet Finisher M1

Component:	Sizes / Explanations:	Weight:	Capacity:
Stacking Orientation	Face up, Face down Switching of the stacking method is done on the host machine.		
Supported Paper Sizes	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	64g/m2 to 220g/m2	
Number of Output Bin	2		
Stacking capacity (Upper Tray, Non Staple Sort)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	Equivalent of 81.4g/m2 paper.	Large size: 96 mm high (650 sheets) Small size: 188 mm high (1300 sheets)
Stacking capacity (Lower Tray, Non Staple Sort)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	Equivalent of 81.4g/m2 paper.	Large size: 96 mm high (650 sheets) Small size: 243 mm high (1700 sheets)
Stacking capacity (Upper Tray, Staple Sort)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	Equivalent of 81.4g/m2 paper.	Large size: 96 mm high (650 sheets) or 30 sets Small size: 188 mm high (1300 sheets) or 30 sets
Stacking capacity (Lower Tray, Staple Sort)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	Equivalent of 81.4g/m2 paper.	Large size: 96 mm high (650 sheets) or 30 sets Small size: 243 mm high (1700 sheets) or 30 sets
Mixed Stacking Capacity (Size Mixing)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	64g/m2 to 220g/m2	Stacking capability is not guaranteed for mixed size stacking.
Mixed Stacking Capacity (Stapling)	A3, SRA3, A4, A4R, A5R, B4, B5, B5R, 305mm x 457mm (12 x 18), 279mm x 432mm (11 x 17), LGL, LTR, LTRR, STMT,STMTR, EXEC,8K,16K,others	64g/m2 to 220g/m2	Small size 188mm high /30 sets Large size 96 mm high /30 sets
Stapling Capacity (Small Size)			Plain paper (64 to 82 g/m2): 50 sheets Plain paper (83 to 105 g/m2):30 sheets Thick paper (105 to 220 g/m2): 2 sheets

Supported Paper Specifications:

(All paper capacities are based on 80gsm plain paper unless otherwise stated).

Staple Finisher M1 / Booklet Finisher M1

Component:	Sizes / Explanations:	Weight:	Capacity:
Stapling Capacity (Large Size)			Plain paper (64 to 82 g/m2): 30 sheets Plain paper (83 to 105 g/m2): 20 sheets Thick paper (105 to 220 g/m2): 2 sheets
Staple Replenishment			5,000 staples
Stapling Size (1-Point Stapling)	Front (45 deg.) : A3, B4, A4, B5, 279mm x 432mm (11 x 17), LTR, EXEC, 8K, 16K		
Stapling Size (2-Point Stapling)	A3, A4, B4, B5, 279mm x 432mm, 11x17, LTR, LGL, EXEC, A4R, LTRR, 8K, 16K		

Booklet Finisher M1 - Saddle Stitch Unit

Component:	Sizes / Explanations:	Weight:	Capacity:
Capacity (Saddle Stitch)	A3, B4, A4R, 279mm x 432mm (11 x 17), LGL, LTRR/ 305mm x 457mm (12 x 18)	64 to 82g/m2	1 to 16 sheets
	A3, B4, A4R, 279mm x 432mm (11 x 17), LGL, LTRR/ 305mm x 457mm (12 x 18)	83 to 105g/m2	1 to 10 sheets
	A3, B4, A4R, 279mm x 432mm (11 x 17), LGL, LTRR/ 305mm x 457mm (12 x 18)	106 to 120g/m2	1 to 5 sheets
Capacity (Saddle Folding)	A3, B4, A4R, 279mm x 432mm (11 x 17), LGL, LTRR/ 305mm x 457mm (12 x 18)	64 to 209g/m2	1 sheet
	* Supported Paper Weights: Plain paper: 64g/m2 to 120g/m2 Cover material: 64g/m2 to 209g/m2 Special paper, postcards, transparencies, or elongation size can not be handled		
Stacking Capacity		64 to 82g/m2	1 to 5 sheets: 25 copies 6 to 10 sheets: 15 copies 11 to 16 sheets: 10 copies
		83 to 105g/m2	1 to 5 sheets: 25 copies 6 to 10 sheets: 15 copies
		106 to 120g/m2	1 to 5 sheets: 10 copies
	* Cover mode, up to 10 copies		
Stapling Position	2 points (center distribution; fixed interval)		
Staple Replenishment			2,000 staples

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Supported Paper Specifications:

(All paper capacities are based on 80gsm plain paper unless otherwise stated).

Booklet Finisher M1 - Saddle Stitch Unit

Component:	Sizes / Explanations:	Weight:	Capacity:
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Environmental Data:

Data Values:	C2230	C2220		
Warm-Up Time (Secs)	34	34		
Max Power Consumption (Kw or less)	1500	1500		
Power Consumption (Plugged in, switched Off, Watts)	0.15	0.15		
Power Consumption (Deep Sleep, Watts) Env Heater Off	1.5	1.5		
Power Consumption (Standby, Wh)	65.6	65.6		
Ozone (B&W, ppm)	0.11	0.10		
Ozone (Colour, ppm)	0.12	0.09		
Benzene (B&W)	0.0079	0.0079		
Benzene (Colour, mg/h)	0.0079	0.0079		
TVOC (B&W, mg/h)	1.65	1.36		
TVOC (Colour, mg/h)	2.85	3.01		
TEC (kWh/week)	2.48	1.58		
BTUs (British Thermal Units)	5118	5118		
CO2 (Kg CO2-e annually)	394.886	326.192		
Dust (B&W, mg/h)	0.74	0.8		
Dust (Colour, mg/h)	0.63	0.91		
Styrene (B&W, mg/h)	0.27	0.37		
Styrene (Colour, mg/h)	0.53	0.8		
Noise - Operating (TWA in db)	68.5dB or less	70db or less		
Noise - Standby (db)	N/A	N/A		

Further information is available upon request.

Power, Access & Environment:

Installation Environment

Requirements for the imageRUNNER ADVANCE C2220 / C2230 Series

Canon Australia guarantees the optimal operation for the model(s) and its accessories only if the following conditions are adhered to:

Avoid installing the device in locations that are subject to extremes of temperature and humidity, both high and low. For example, avoid installing the device near sinks, hot water heaters, humidifiers, fridges, air conditioners, heaters and stoves.

You should also avoid installing the device in direct sunlight, in poorly ventilated rooms and in locations that are subject to vibration.

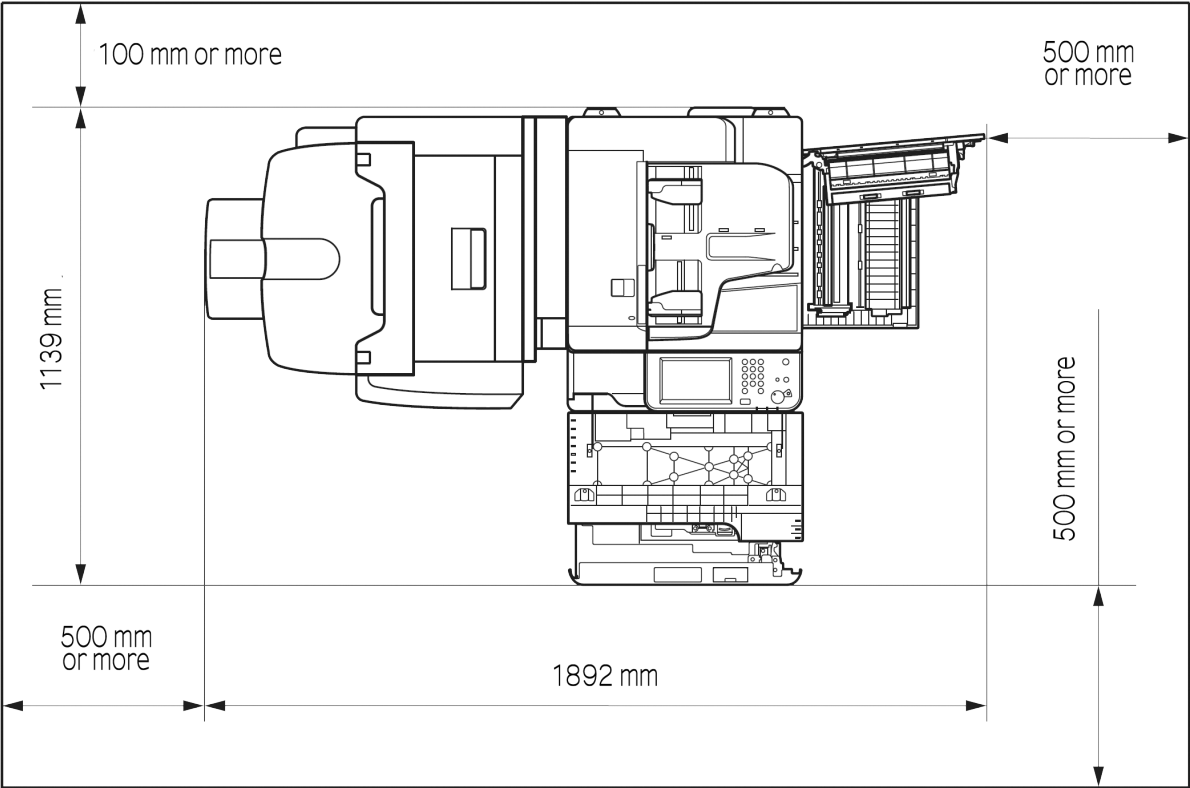
The ideal location is an air-conditioned environment that always has a temperature range between 15 to 30 deg C and relative humidity 5 to 80%.

Power

All machines require exclusive use of a well-regulated grounded power outlet rated at 240v +/- 10% that is free from spikes, electrical and radio interference. The power outlet must supply up to 10 Amps

Access

The devices require adequate space left around it to allow for good ventilation and servicing access. The following image shows the (Maximum) installation space required by the model(s) above. Please refer to the following table for variations.



Recommended Installation Dimensions & Weights:

Recommended Installation Dimensions:

Product:	Width:(mm)	Depth:(mm)
Installation space required by IR-ADV C2230/2220 when no option is attached.	1884	1739
Installation space required by IR-ADV C2230/2220 when Inner Finisher F1 and Copy Tray J1 are attached*	2136	1739
Installation space required by IR-ADV C2230/2220 when Booklet Finisher-M1 & Buffer Pass Unit-K1.	2224	1889
* This configuration requires 250mm clearance behind the machine, the listed depth includes this.		

*** Dimensions include the following:**

500mm each side of the machine for access.

100mm behind the machine for ventilation.

500mm in front of the machine for access.

Main Unit and Optional Accessory Dimension and Weight:

Product Name:	Width (mm):	Depth (mm):	Height (mm):	Weight (kg):
iR ADVANCE C2230/C2220	565	680	928	87
2-cassette Pedestal-AF1	562	650	251	27.5
Inner Finisher-F1	602	540	234	12.5
Buffer Pass Unit-K1				6.5
Booklet Finisher-M1	671	656	1097	75
Staple Finisher-M1	559	647	1097	46

Supported Connection Types and Protocols

Supported Connection Types:

Connection Type:	Option:	More Information:
10Base-T, 100Base-T, 1000Base-T	Standard	
USB2	Standard	USB can only be used for printing documents and faxes from your computer. You cannot 'Send' or 'Forward'.

Supported Network Protocols:

Protocol:	Specification:	
TCP/IP	Frame Type	Ethernet II
	Print Application	LPD, RAW, IPP, IPPS, FTP, WSD

Protocol:	Specification:	
IPX/SPX	Frame Type	Ethernet II, Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, Auto Detect
	Print Application	Bindary, PServer, NDS PServer, RPrinter, NPrinter

Protocol:	Specification:	
NETBIOS	Frame Type	Ethernet II
	Print Application	SMB

Supported Network Protocols by Operating System:

Operating System:	TCP/IP:	IPX/SPX:	NetBIOS:
Windows XP Professional	Yes	Yes	Yes
Windows Vista	Yes	Yes	Yes
Windows 7	Yes	No	Yes
Windows 8	Yes	No	Yes
Windows 2003 Server	Yes	Yes	Yes
Windows 2008 Server	Yes	Yes	Yes
Novell Netware 4.x	No	Yes	No
Novell Netware 5.x / 6.x	Yes	Yes	No
Citrix Presentation Server 4.5	Yes	No	No
Citrix XenApp 5.0	Yes	No	No
Citrix XenDesktop 4.0	Yes	No	No
Citrix XenDesktop 5.0	Yes	No	No
Citrix XenDesktop 5.5	Yes	No	No
Citrix XenDesktop 5.6	Yes	No	No
Mac OS X 10.4 to 10.5	Yes	No	Yes
Mac OS X 10.6 to 10.8	Yes	No	Yes
Linux	Yes	No	No
Solaris Version 1.1x (SunOS v4.1x) or later	Yes	No	No
Solaris Version 2.5x (SunOS v5.5x) or later	Yes	No	No
IBM AS/400 Series (v4r5 or later)	Yes	No	No

Printer Drivers:

Supported Printer Drivers:

Printer Driver:	Option / Standard:	Comments:
UFR II	Standard	V20.75 (PC) V10.0.0 (Mac) V2.60 (Linux)
PCL	Option	V20.75 (PC)
Generic PCL6	Option	V1.00 (PC)
PS	Option	V20.75 (PC) V3.60 (Mac)
Canon PPDs	Option	V3.30 (PC) V3.30 (Mac)
XPS	Option	V1.50 (PC) Users of MS Windows Vista and later can print using XPS features from applications that support XPS.
FAX	Option	V8.75 (PC) V3.70 (Mac)
Generic Fax	Option	V1.0 (PC)

Driver versions listed are minimum required.

Supported Printer Drivers by Operating Systems:

Operating System:	PCL:	PS:	UFR II:	XPS:	Other:	Comments:
Windows XP Professional	Yes	Yes	Yes	No	N/A	
Windows Vista	Yes	Yes	Yes	No	N/A	
Windows 7	Yes	Yes	Yes	Yes	N/A	
Windows 8	Yes	Yes	Yes	Yes	N/A	
Windows 2003 Server	Yes	Yes	Yes	No	N/A	
Windows 2008 Server	Yes	Yes	Yes	Yes	N/A	
Mac OS X 10.4 to 10.5	No	Yes	Yes	No	N/A	
Mac OS X 10.6 to 10.8	No	Yes	Yes	No	N/A	
Linux	No	No	No	No	N/A	

The version of printer driver included with the device or respective print controller may not be the latest version available. It is recommended you check the Canon Australia web site to obtain the latest drivers available.

Canon Driver Information Assist Service (DIAS)

If you are using this device as a 'Shared Printer' in a Windows Printer Server (Point & Print) environment, it is necessary to install the DIAS utility on the Windows server PC in order to setup the printer configuration automatically or to use the Job Accounting (Dept ID) facility.

Supported Server Based Printing Environments:

Compatible Windows Terminal Server (Service)
Product:
Windows 2003 Server
Windows 2008 Server

Compatible Software
Product:
Citrix Presentation Server 4.5
Citrix XenApp 5.0
Citrix XenDesktop 4.0
Citrix XenDesktop 5.0
Citrix XenDesktop 5.5
Citrix XenDesktop 5.6

Compatible Microsoft Cluster Server (MSCS)
Product:
Microsoft Windows Server 2003 Enterprise/Datacenter Edition
Microsoft Windows Server 2008 Enterprise/Datacenter Edition

Hints, enhancements, limitations and restrictions you need to be aware of are included in the 'Readme File' provided with each printer driver.

Network Scanning & Universal Send:

Network Scan Gear

TWAIN Driver **File Formats: Application Dependant**

Protocol(s):	Compatible Server:
	Windows Vista or later

* Some file formats may require additional options.

Send Function

E-Mail / I-Fax **File Formats: PDF, XPS, OOXML, JPEG & TIFF ***

Protocol(s):	Compatible Server:
SMTP - Mail Forwarding Server	Sendmail 8.93 or later (UNIX)
	Microsoft Exchange 5.5 with Service Pack 2 (Windows)
	Lotus Domino R4.6 or later (Windows)
POP3 - Mail Receiving Server (iFax Only)	Lotus Domino R4.6 or later (Windows)
	Microsoft Exchange 5.5 with Service Pack 2 (Windows)
	Qpopper 2.53 or later (UNIX)

* Some file formats may require additional options.

Send Function

Scan to File **File Formats: PDF, XPS, OOXML, JPEG & TIFF ***

Protocol(s):	Compatible Server:
FTP (IPv4) - Standard Server	Windows XP Pro and IIS 5.1
	Windows Server 2003 and IIS 6.0
	Windows Server 2008 and IIS 7.0
	Windows Vista and IIS 7.0
	Solaris 2.6 or later
	Red Hat Linux 7.2 or later
	Mac OS X 10.4 or later
FTP (IPv6) - Standard Server	Solaris Version 9 or later
	Red Hat Enterprise Linux AS/ES/WS 4.0 or later
	Mac OS X 10.3.9 or later
WebDAV (IPv4) - Standard Server	Windows XP Pro and IIS 5.1
	Windows Server 2003 and IIS 6.0
	Windows Server 2008 and IIS 7.0
	Windows Vista and IIS 7.0
	Windows XP Pro and Apache 2.0 for Win 32
	Windows Server 2008 and Apache 2.0 or later
	Windows Vista and Apache 2.0 or later
	Solaris 2.6 or later, and Apache 2.0 or later
	Red Hat Enterprise Linux AS/ES/WS 4.0 or later, and Apache 2.0 or later

Network Scanning & Universal Send:

WebDAV (IPv6) - Standard Server	Windows Server 2003 and IIS 6.0
	Windows Server 2008 and IIS 7.0
	Windows Vista and Apache 2.0 or later
	Windows Server 2008 and Apache 2.0 or later
	Windows Vista and Apache 2.0 or later
	Solaris 2.6 or later, and Apache 2.0 or later
SMB / CIFS (NetBIOS over TCP/IP [NetBT]) - Standard Server	Windows XP Professional
	Windows Server 2003
	Windows Server 2008
	Windows Vista
	Samba 2.2.8a or later (UNIX, Linux, Mac OS X)

* Some file formats may require additional options.

Supported Scan Methods:

Function Type:	Explanation:
Pull Scanning	Colour Network Scan Gear. Scanning is instigated from a remote Windows computer.
Scan to Remote Advanced Box	Scan to an Advanced Box on a device that has one.
Scan to USB Memory Media	Scan to USB Memory Media. This device can scan to USB Keys, if a 'Multimedia Reader/Writer' kit is installed the device can also scan to 'SD Cards', 'Memory Sticks', 'CF Cards' & 'Microdrives'.

Fascimile Specifications:

Item:	Specifications:
Telephone Line Used / Number of Lines	PSTN, 1 line (AH2) PSTN, 2 lines (AH1)
Scan Line Density (Scan Transmission)	Standard: 8 pels/mm x 3.85 line/mm Fine: 8 pels/mm x 7.7 line/mm Super-Fine: 8 pels/mm x 15.4 line/mm Ultra-Fine: 16 pels/mm x 15.4 line/mm
Transmission Speed	Super G3: 33.6 kbps, G3: 14.4 kbps
Compression Method	MH, MR, MMR, JBIG
Transmission Type	Super G3, G3
Sending Original Size	A3, B4, A4, A4R, B5*, B5R**, A5**, A5R** * documents sent as B4 ** documents sent as A4
Receiving Paper Size	A3, A4, A4R, A5, A5R
Transmission Times	ECM-MMR: Approx 3.2 secs G3 MR Method: Approx. 13 secs G3 MH Method: Approx. 13 secs JBIG: Approx. 2.6 secs
Image Memory	Address book: 1,800 destinations, (including destinations stored in one-touch buttons)
Address Book	Approx 6,000 pages

Configuration:

All Fax boards have been designed for use on a dedicated Public Switched Telephone Network (PSTN) line. Canon does not guarantee the satisfactory performance of fascimile communications if the Fax board is connected to a PABX, VoIP, FoIP or ADSL line.

During installation the Fax board will be adjusted to suit the telephone line it is connected to at that time. If the device hosting the Fax board is moved from that line to another line it will be necessary to have the machine re-adjusted to suit the new line's conditions.

Computer Faxing:

Windows

Minimum Driver Version:	Operating Systems & Software Supported:
Canon Fax Driver V8.80 or higher	Windows 2000 Professional
	Windows 2000 Server
	Windows 2000 Terminal Server
	Windows XP Professional
	Windows 2003 Server
	Windows 2008 Server
	Windows 2008 Terminal Server
	Windows Vista
	Windows 7
	Citrix MetaFrame XP
	Citrix MetaFrame 1.8
	Citrix MetaFrame Presentation Server 3.0
	Citrix Presentation Server 4.0

Mac OS X

Minimum Driver Version:	Operating Systems & Software Supported:
Canon Fax Driver V3.70 or higher	OS X 10.5 (Leopard)
	OS X 10.6 (Snow Leopard)
	OS X 10.7 (Lion)
	OS X 10.8 (Mountain Lion)

* Detailed information is available in the 'Readme' file packaged with our Fax drivers.

Canon Australia Technical Services

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