

TOSHIBA

MULTIFUNCTIONAL DIGITAL COLOR SYSTEMS

Specifications

e-STUDIO 331AC/401AC

Preface

Thank you for purchasing our product.
This manual describes about the specifications of this equipment and the information of the options.
Read this manual before using this equipment.

■ How to read this manual

□ Symbols in this manual

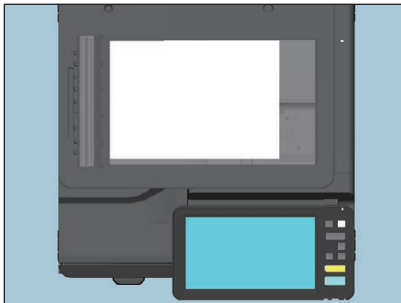
In this manual, some important items are described with the symbols shown below. Be sure to read these items before using this equipment.

 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury, or serious damage, or fire in the equipment or surrounding assets.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury, partial damage to the equipment or surrounding assets, or loss of data.
Note	Indicates information to which you should pay attention when operating the equipment.
Tip	Describes handy information that is useful to know when operating the equipment.
	References describing items related to what you are currently doing. See these references as required.

□ Description of original/paper direction

You can place paper or originals in a landscape direction.

e.g.) A4/LT size original on the original glass



□ Target audience for this manual

This is a manual that is aimed at general users and administrators.

□ Model and series names in this manual

In this manual, each model name is replaced with a series name as shown below:

Model name	Series name
e-STUDIO331AC/401AC	e-STUDIO401AC Series

□ Abbreviations in this manual

In this manual, “Dual Scan Document Feeder” is referred to as “DSDF” or “ADF” (Automatic Document Feeder).

□ Trademarks

For trademarks, refer to the **Safety Information**.

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SPECIFICATIONS OF PAPER

Acceptable paper

The following paper can be placed and used for copying or printing except for long-size paper (Banner).

The values are valid only when recommended paper is used.

Depending on the paper type or condition, the expected print quality sometimes cannot be obtained or the output paper may not be aligned properly.

Tip

- "LT format" is the standard size only for use in North America.
- Abbreviations for paper sizes: LT: Letter, LD: Ledger, LG: Legal, ST: Statement, COMP: Computer, SQ: Square

■ e-STUDIO331AC/401AC

Feeder	Media Type	Weight	Maximum sheet capacity	Size
Drawers Paper Feed Unit	Plain, Recycled Paper	60 - 80 g/m ² 16 - 21 lb. Bond	600 sheets (64 g/m ²) (17 lb. Bond) 550 sheets (80 g/m ²) (20 lb. Bond)	A/B format: A4, B5, A5, FOLIO LT format: LG, LT, ST, 13"LG, 8.5"SQ K format: 16K Envelope: Drawer DL (110 mm x 220 mm), COM10 (4 1/8" x 9 1/2"), Monarch (3 7/8" x 7 1/2"), CHO-3 (120 mm x 235 mm), YOU-4 (105 mm x 235 mm) Paper Feed Unit DL (110 mm x 220 mm), COM10 (4 1/8" x 9 1/2"), CHO-3 (120 mm x 235 mm), YOU-4 (105 mm x 235 mm) Non-standard size*4: Length: 140 - 216 mm (5.5" - 8.5"), Width: 210 - 356 mm (8.3" - 14") Non-standard size (Envelope) *5: Drawer Length: 98 - 216 mm (3.9" - 8.5") Width: 162 - 327 mm (6.4" - 12.9") Paper Feed Unit Length: 98 - 216 mm (3.9" - 8.5") Width: 210 - 327 mm (8.3" - 12.9")
	Thick	81 - 105 g/m ² 22 - 28 lb. Bond	500 sheets	
	Thick 1	106 - 163 g/m ² 29 lb. Bond - 90 lb. Index	300 sheets	
	Thick 2	164 - 209 g/m ² 91 - 110 lb. Index	250 sheets	
	Thick 3	210 - 256 g/m ² - 140 lb. Index	200 sheets	
	Envelope	—	60 sheets *1, *2, *3	

Feeder	Media Type	Weight	Maximum sheet capacity	Size
Large Capacity Feeder	Plain, Recycled Paper	64 - 80 g/m ² 17 - 21 lbs	2360 sheets (64 g/m ²) (17 lb. Bond) 2000 sheets (80 g/m ²) (20 lb. Bond)	A/B format: A4 LT format: LG, LT, 13"LG
	Thick	81 - 105 g/m ² 22 - 28 lb. Bond	1660 sheets	
	Thick1	106 - 163 g/m ² 29 lb. Bond - 90 lb. Index	1150 sheets	
	Thick2	164 - 209 g/m ² 91 - 110 lb. Index	880 sheets	
	Thick3	210 - 256 g/m ² - 140 lb. Index	730 sheets	
Bypass tray	Thin ^{*1}	52 - 59 g/m ² 14 - 16 lb. Bond	1 sheet	A/B format: A4, B5, A5, A6, FOLIO LT format: LG, LT, ST, 13"LG, 8.5"SQ K format: 16K Non-standard size ^{*4,*6}: Copy: Length: 98 - 216 mm (3.9" - 8.5"), Width: 148 - 356 mm (5.8" - 14") Print: Length: 98 - 216 mm (3.9" - 8.5"), Width: 148 - 1321 mm (5.8" - 52") ^{*5}
	Plain, Recycled Paper	60 - 80 g/m ² 16 - 21 lb. Bond	100 sheets	
	Thick	81 - 105 g/m ² 22 - 28 lb. Bond	80 sheets	
	Thick 1	106 - 163 g/m ² 29 lb. Bond - 90 lb. Index	40 sheets	
	Thick 2 ^{*7}	164 - 209 g/m ² 91 - 110 lb. Index	30 sheets	
	Thick 3	210 - 256 g/m ² - 140 lb. Index	30 sheets	
	Special 1 ^{*8} , Special 2 ^{*8,*9}	230 g/m ²	30 sheets	
	Special 3 ^{*10}	106 - 163 g/m ² 29 lb. Bond - 90 lb. Index	30 sheets	
	Transparency ^{*1}	—	30 sheets	
	Envelope ^{*1,*2}	—	10 envelopes (11 mm in height or less)	Envelope: DL (110 mm x 220 mm), COM10 (4 1/8" x 9 1/2"), Monarch (3 7/8" x 7 1/2"), CHO-3 (120 mm x 235 mm), YOU-4 (105 mm x 235 mm), Non-standard size ^{*4}: Copy: Length: 98 - 216 mm (3.9" - 8.5") Width: 148 - 356 mm (5.8" - 14") Print: Length: 98 - 216 mm (3.9" - 8.5") Width: 148 - 1321 mm (5.8" - 52")

^{*1} Automatic duplex copying is not available.

*2 Printing on the back side of an envelope is not possible.

*3 COM10, CHO-3

*4 When paper of a non-standard size is used, set the paper size by means of [Custom Paper].

*5 For the Automatic duplexing unit, Length: 140 - 216 mm (5.5" - 8.5"), Width: 210 - 356 mm (8.3" - 14").

*6 Depending on the size of the non-standard paper to be used, corner folding, wrinkling or tilted printing may occur.

*7 When an attempt to print on the sticker labels is made, select "Thick 2" for the paper type. Only sticker labels whose label side is not cut can be used. Only one sticker label can be fed at one time. Automatic duplex copying is not available for sticker labels.

*8 Special 1 and Special 2 indicate waterproof paper.

*9 Duplex copying is available only when the waterproof paper supporting it is used.

*10 Special 3 indicates coated paper. For details, contact your service technicians or representative.

❑ Paper only acceptable for printing functions

Feeder	Media type	Weight	Maximum sheet capacity	Paper size
Bypass tray	Thick	90 - 105 g/m ² 24 - 28 lb. Bond	1 sheet *1	210 mm x 1321 mm (8.5" x 52")
	Thick 1	106 - 163 g/m ² 29 lb. Bond - 90 lb. Index		
	Special 1 *2	230 g/m ²		

*1 Place the sheets one by one on the bypass tray.

*2 Only recommended waterproof paper should be used.

❑ Recommended paper for each media type

Media Type	Recommendations/Manufacturer	Weight
Plain	A/B format: IQ PREMIUM/mondi LT format: TIDAL MP / Hammermill	80 g/m ² , 20 lb. Bond
Thick	A/B format: Color Copy/mondi LT format: Laser Print/Hammermill, Color Copy Paper/ Hammermill	90 g/m ² , 24 lb. Bond
		100 g/m ² , 28 lb. Bond
Thick 1	A/B format: Color Copy/mondi LT format: Laser Print/Hammermill, Color Copy Paper/ Hammermill	120 g/m ² , 32 lb. Bond
		160 g/m ² , 60 lb. Cover
Thick 2	A/B format: Color Copy/mondi	200 g/m ²
	A/B format: 3478/ZWECK-AVERY *1 LT format: 5165/AVERY *1	—
Thick 3	A/B format: Color Copy/mondi LT format: Color Copy Cover/Hammermill	220 g/m ² , 80 lb. Cover
		250 g/m ²
Special 1	A/B format: Water Proof Paper Duplex *2, *3, *4 LT format: Weather Resistance Paper *2, *3, *4	230 g/m ²
Transparency	A/B format: BG72/FOLEX	—
Envelope *5, *6	COM10: Business Laser/Inkjet Envelope/Quality Park	—

*1 Only recommended sticker labels should be used.

*2 Place the sheets one by one on the bypass tray.

*3 Remove the copied paper from the receiving tray sheet by sheet.

*4 This type of paper is available for automatic duplex copying.

*5 Printing on the back side of an envelope is not possible.

*6 For details, see the reference below:

Preparation of Paper - LOADING PAPER - Precautions for Paper - Unacceptable copy paper - Notes for using envelopes

SPECIFICATIONS OF EQUIPMENT

Model name		FC-331AC/FC-401AC
Type		Desktop type
Original glass		Fixed
Printing (copying) system		Indirect electrophotographic method
Developing system		2-component magnetic brush developing
Fixing method		Halogen lamp belt heat roller fusing
Photosensor type		OPC
Original scanning system		Flat surface scanning system (When the DSDF is used: Coinstantaneous 2-sided (the front and back sides) scanning system)
Original scanning sensor		CIS
Scanning light source		LED
Resolution	Scanning	300 dpi x 600 dpi 600 dpi x 600 dpi
	Writing	Copy Black-and-white: 600 dpi x 600 dpi 3bits, 2400dpi (Equivalence) x 600dpi (with smoothing) Color: 600dpi x 600dpi 3bits Print 600 dpi x 600 dpi 3bits, 1200 dpi x 1200 dpi 1bit (PostScript)
Acceptable originals		Sheets, books
Acceptable original size		Max. LG
Acceptable copy paper size	Drawer	Paper A4, B5, A5, FOLIO, LG, LT, ST, 13"LG, 8.5"SQ, 16K Envelope COM10, Monarch, CHO-3, YOU-4, DL Non-standard size (Paper) Length: 140 - 216 mm (5.5" - 8.5"), Width: 210 - 356 mm (8.3" - 14") Non-standard size (Envelope) Length: 98 - 216 mm (3.9" - 8.5"), Width: 162 - 327 mm (6.4" - 12.9")
	Bypass	Paper A4, B5, A5, A6, FOLIO, LG, LT, ST, 13"LG, 8.5"SQ, 16K Envelope COM10, Monarch, CHO-3, YOU-4, DL Non-standard size Copy Length: 98 - 216 mm (3.9" - 8.5"), Width: 148 - 356 mm (5.8" - 14") Print Length: 98 - 216 mm (3.9" - 8.5"), Width: 148 - 1321 mm (5.8" - 52") For the Automatic duplexing unit: A4, B5, A5, FOLIO, LG, LT, ST, 13"LG, 8.5"SQ, 16K
Acceptable copy paper weight	Drawer	60 - 256 g/m ² (16 lb. Bond - 80 lb. Cover (140 lb. Index))
	Bypass	Single paper feed: 52 - 59 g/m ² (14 lb. Bond - 22 lb. Cover (33 lb. Index)) Continuous paper feed: 60 - 256 g/m ² (16 lb. Bond - 80 lb. Cover (140 lb. Index)) For the Automatic duplexing unit: 60 - 256 g/m ² (16 lb. Bond - 80 lb. Cover (140 lb. Index))
Warm-up time *1		Approx. 20 seconds (Temperature 20 °C (68 °F))

Recovery time (from the sleep mode) *1			18 seconds or less
First copy time (A4 or LT portrait)	Black-and-white	e-STUDIO331AC: 5.7 seconds or less e-STUDIO401AC: 5.1 seconds or less	
	Color *1	e-STUDIO331AC: 7.2 seconds or less e-STUDIO401AC: 6.3 seconds or less	
Continuous copy speed			 14 “Continuous copy speed”
Multiple copying			Up to 999 sheets (digital key entry)
Excluded image width	Copy	Thin	Leading edge: 5.2 mm + 2.8 mm, - 1.2 mm (0.2" + 0.11", - 0.05"), Trailing edge: 4.2 mm + 1.2 mm, - 2.8 mm (0.17" + 0.05", - 0.11"), Both edges: 4.2 mm ± 3.0 mm (0.17" ± 0.12")
		Other than Thin	Leading edge: 4.2 mm + 2.8 mm, - 1.2 mm (0.17" + 0.11", - 0.05"), Trailing edge: 4.2 mm + 1.2 mm, - 2.8 mm (0.17" + 0.05", - 0.11"), Both edges: 4.2 mm ± 3.0 mm (0.17" ± 0.12")
	Printer	Thin	Leading edge: 5.2 mm + 2.8 mm, - 1.2 mm (0.2" + 0.11", - 0.05"), Trailing edge: 4.2 mm + 1.2 mm, - 2.8 mm (0.17" + 0.05", - 0.11"), Both edges: 4.2 mm ± 3.0 mm (0.17" ± 0.12")
		Other than Thin	Leading edge: 4.2 mm + 2.8 mm, - 1.2 mm (0.17" + 0.11", - 0.05"), Trailing edge: 4.2 mm + 1.2 mm, - 2.8 mm (0.17" + 0.05", - 0.11"), Both edges: 4.2 mm ± 3.0 mm (0.17" ± 0.12")
Reproduction ratio	Actual size		100±0.5%
	Zoom		25 - 400% (in 1% increments)
			For the DSDF 25 - 200% (in 1% increments)
Paper supply	Drawer		Approx. 550 sheets (80 g/m ² , 20 lb. Bond)
	Bypass		Approx. 100 sheets (80 g/m ² , 20 lb. Bond)
Exit tray loading capacity			Approx. 250 sheets (80 g/m ² , 20 lb. Bond)
Toner density adjustment			Magnetic auto-toner system + Pixel count system
Exposure control			Automatic plus manual selection from 11 exposure step
USB interface			USB 2.0 (Hi-Speed)
Environment (for normal use)			Temperature: 10 - 30 °C (50 - 86 °F), Humidity: 20 - 85% (No Condensation)
Power requirements and Power consumption (including optional equipments)			AC 220-240 V±10%, 8 A (50/60 Hz): 2.0 kW or less AC 120 V±10%, 12 A (50/60 Hz): 1.5 kW or less
Dimensions (equipment only)			520 mm (20.5") (W) x 540 mm (21.3") (D) x 634 mm (25") (H) (At 90 degrees of the control panel angle) 520 mm (20.5") (W) x 579 mm (22.8") (D) x 634 mm (25") (H) (At 7 degrees of the control panel angle)
Weight			Approx. less than 53 kg (116.8 lb.) (equipment including developer and drum)
Space occupied (equipment only)			865 mm (34.1") (W) x 579 mm (22.8") (D)
Storage capacity			Max. 1000 sheets or until the memory is full (Our chart)

*1 This specification varies depending on the use conditions and the use environment.

- Specifications and appearance are subject to change without notice in the interest of product improvement.

■ Dual Scan Document Feeder

Copy sides	1-side, Duplex
Number of originals (A4 or LT)	100 originals (80 g/m ² , 20 lb. Bond)
Feeding speed	Max 58 originals/min. (A4) Max 60 originals/min. (LT)
Acceptable originals	A4, B5, A5, A6, FOLIO, LG, LT, ST
Paper weight	35 - 105 g/m ² , 9.3 - 28 lb. Bond
Power source	Supplied from the equipment

■ Continuous copy speed

Copy speeds under the condition in which originals are placed on the original glass and single-side copies are made continuously with 100% reproduction ratio in the non-sort mode (unit: sheet/minute).

□ e-STUDIO331AC

Paper size	Feeder	Paper type							
		Plain/Recycled Paper		Thick		Thick 1/Thick 2		Thick3	
		B&W	Color*1	B&W	Color*1	B&W	Color*1	B&W	Color*1
A4	Drawer	33	33	33	33	20	20	15	15
	Bypass tray	27	27	27	27	15	15	12	12
LT, 8.5"SQ, 16K	Drawer	35	35	35	35	20	20	15	15
	Bypass tray	28	28	28	28	15	15	12	12
LG, 13"LG, FOLIO	Drawer	27	27	27	27	16	16	12	12
	Bypass tray	22	22	22	22	12	12	10	10
B5	Drawer	22	22	22	22	20	20	15	15
	Bypass tray	17	17	17	17	15	15	12	12
A5, ST	Drawer	26	26	26	26	20	20	15	15
	Bypass tray	19	19	19	19	15	15	12	12
A6	Drawer	—	—	—	—	—	—	—	—
	Bypass tray	19	19	19	19	15	15	12	12

e-STUDIO401AC

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Paper size	Feeder	Paper type							
		Plain/Recycled Paper		Thick		Thick 1/Thick 2		Thick3	
		B&W	Color* ¹	B&W	Color* ¹	B&W	Color* ¹	B&W	Color* ¹
A4	Drawer	40	40	40	40	20	20	15	15
	Bypass tray	32	32	32	32	15	15	12	12
LT, 8.5"SQ, 16K	Drawer	42	42	42	42	20	20	15	15
	Bypass tray	33	33	33	33	15	15	12	12
LG, 13"LG, FOLIO	Drawer	33	33	33	33	16	16	12	12
	Bypass tray	27	27	27	27	12	12	10	10
B5	Drawer	22	22	22	22	20	20	15	15
	Bypass tray	17	17	17	17	15	15	12	12
A5, ST	Drawer	26	26	26	26	20	20	15	15
	Bypass tray	19	19	19	19	15	15	12	12
A6	Drawer	—	—	—	—	—	—	—	—
	Bypass tray	19	19	19	19	15	15	12	12

*1 Full Color, Twin Color, Mono Color, Image Smoothing

- The bypass copying speed when the paper size is specified is as listed above.
- Recommended paper is used for the values of the specifications above.
- These specifications vary depending on the copying conditions and the environment.

List of Internal Fonts

The following fonts are included in this equipment.

■ Internal PCL fonts list

Nimbus Mono E Regular	Nimbus Sans Bold Italic
Nimbus Roman No4 Regular	Nimbus Sans Narrow
Nimbus Roman No4 Bold	Nimbus Sans Narrow Bold
Nimbus Roman No4 Italic	Nimbus Sans Narrow Oblique
Nimbus Roman No4 Bold Italic	Nimbus Sans Narrow Bold Oblique
URW Classico Regular	URW Palladio Roman
URW Classico Bold	URW Palladio Bold
URW Classico Italic	URW Palladio Italic
URW Classico Bold Italic	URW Palladio Bold Italic
URW Corsica Regular	URW Gothic Book
URW Clarendon Condensed Bold	URW Gothic Book Oblique
URW Classic Sans Regular	URW Gothic Demi
URW Classic Sans Bold	URW Gothic Demi Oblique
URW Classic Sans Regular Italic	URW Bookman Light
URW Classic Sans Bold Italic	URW Bookman Light Italic
URW Classic Sans Cond Regular	URW Bookman Demi
URW Classic Sans Cond Bold	URW Bookman Demi Italic
URW Classic Sans Cond Italic	URW Century Roman
URW Classic Sans Cond Bold Italic	URW Century Bold
Antique Olive regular	URW Century Italic
Antique Olive Bold	URW Century Bold Italic
Antique Olive Italic	Nimbus Roman Regular
Garamond Antiqua normal	Nimbus Roman Bold
Garamond Halbfett	Nimbus Roman Italic
Garamond Kursiv	Nimbus Roman Bold Italic
Garamond Kursiv Halbfett	URW Chancery Medium Italic
Mauritius Regular	Symbols
Algiers Medium Standard	Symbol PS
Algiers Extra Bold	URWDings
Nimbus Sans No2 Regular	URW Dingbats
Nimbus Sans No2 Bold	Nimbus Mono E Bold
Nimbus Sans No2 Italic	Nimbus Mono E Italic
Nimbus Sans No2 Bold Italic	Nimbus Mono E Bold Italic
Nimbus Roman No9 Regular	Letter Gothic Regular
Nimbus Roman No9 Bold	Letter Gothic Bold
Nimbus Roman No9 Italic	Letter Gothic Italic
Nimbus Roman No9 Bold Italic	Nimbus Mono PS Regular

Nimbus Sans	Nimbus Mono PS Bold
Nimbus Sans Bold	Nimbus Mono PS Italic
Nimbus Sans Italic	Nimbus Mono PS Bold Italic

■ Internal PS fonts list

Algiers Light	Lubalin Oblique
Algiers Medium	Lubalin Demi
Algiers Medium Italic	Lubalin Demi Oblique
Alon URW	Mauritius
Antique Olive Regular	Mona Lisa
Antique Olive Italic	Nimbus GUI Regular
Antique Olive Bold	Nimbus Mono E Regular
Antique Olive Compact	Nimbus Mono E Italic
Baskerville URW Regular	Nimbus Mono E Bold
Baskerville URW Italic	Nimbus Mono E Bold Italic
Baskerville URW Black	Nimbus Roman Regular
Baskerville URW Black Italic	Nimbus Roman Italic
Baskerville Ornaments	Nimbus Roman Bold
Bodoni Antiqua Regular	Nimbus Roman Bold Italic
Bodoni Antiqua Italic	Nimbus Roman No9 Regular
Bodoni Antiqua Bold	Nimbus Roman No9 Italic
Bodoni Antiqua Bold Italic	Nimbus Roman No9 Bold
Bodoni Ultra	Nimbus Roman No9 Bold Italic
Bodoni Compress	Nimbus Roman Screen Regular
Cooper Black	Nimbus Sans
Cooper Black Italic	Nimbus Sans Italic
Copperplate Medium	Nimbus Sans Bold
Copperplate Bold	Nimbus Sans Bold Italic
Dingbats	Nimbus Sans Condensed
Eurostile	Nimbus Sans Condensed Italic
Eurostile Bold	Nimbus Sans Condensed Bold
Eurostile Extended	Nimbus Sans Condensed Bold Italic
Eurostile Bold Extended	Nimbus Sans Narrow
Garamond URW Regular	Nimbus Sans Narrow Oblique
Garamond URW Italic	Nimbus Sans Narrow Bold
Garamond URW Demi	Nimbus Sans Narrow Bold Oblique
Garamond URW Demi Italic	Nimbus Sans No2 Regular
Goudy Regular	Nimbus Sans No2 Italic
Goudy Italic	Nimbus Sans No2 Bold
Goudy Medium	Nimbus Sans No2 Bold Italic

Goudy Medium Italic	Nimbus Sans Screen Regular
Goudy Bold	Nimbus Typewriter
Letter Gothic L Regular	Standard Symbol PS
Letter Gothic L Regular Italic	Unger Chancery
Letter Gothic L Medium	URW Affiche
Letter Gothic L Medium Italic	URW Bookman Light
Lubalin	URW Bookman Light Italic
URW Bookman Demi	URW Classico Bold Italic
URW Bookman Demi Italic	URW Corsica Regular
URW Century Roman	URW Dings
URW Century Italic	URW Gibraltar Light
URW Century Bold	URW Gibraltar Light Italic
URW Century Bold Italic	URW Gibraltar Regular
URW Chancery Medium Italic	URW Gibraltar Italic
URW Clarendon Light	URW Gibraltar Bold
URW Clarendon Medium	URW Gibraltar Bold Italic
URW Clarendon Bold	URW Gibraltar Extra Bold
URW Classic Sans Light	URW Gibraltar Condensed Regular
URW Classic Sans Light Italic	URW Gibraltar Condensed Bold
URW Classic Sans Regular	URW Gothic Book
URW Classic Sans Italic	URW Gothic Book Oblique
URW Classic Sans Bold	URW Gothic Demi
URW Classic Sans Bold Italic	URW Gothic Demi Oblique
URW Classic Sans Cond Regular	URW Joanna
URW Classic Sans Cond Italic	URW Joanna Italic
URW Classic Sans Condensed Bold	URW Joanna Bold
URW Classic Sans Condensed Bold Italic	URW Joanna Bold Italic
URW Classic Sans Extended Regular	URW Palladio Roman
URW Classic Sans Extended Italic	URW Palladio Italic
URW Classic Sans Extended Bold	URW Palladio Bold
URW Classic Sans Extended Bold Italic	URW Palladio Bold Italic
URW Classico Regular	URW Signs
URW Classico Italic	IPAexGothic
URW Classico Bold	IPAexMincho

SPECIFICATIONS OF OPTIONS

Outlines of Options

■ Option

□ e-STUDIO401AC Series

Name	Model Name	e-STUDIO331AC e-STUDIO401AC
Paper feed		
Paper Feed Unit	MY-1050	YES
Large Capacity Feeder	KD-1071	YES
Exit		
Offline Stapler	MJ-1047	YES
System		
FAX Unit	GD-1370	YES
Wireless LAN/Bluetooth Module	GN-4030	YES
Hardcopy Security Kit	GP-1190	YES
Ten Key	GR-1340	YES
SSD	GE-1370	YES
Meta Scan Enabler	GS-1010	YES
IPsec Enabler	GP-1080	YES
Unicode Font Enabler	GS-1007	YES
Multi Station Print Enabler	GS-1090	YES
Others		
Desk	MH-4000	YES
Spacer	GR-1380	YES
Caster	GR-1390	YES
Accessible Arm	KK-2560	YES

Note

- Depending on the model, options have been already installed and the functions can be used.
- Depending on the destination, some options may not be available.

Paper feed

■ Paper Feed Unit

Model name	MY-1050
Acceptable paper size	A4, B5, A5, FOLIO, LG, LT, ST, 13"LG, 8.5"SQ, 16K, DL, COM10, CHO-3, YOU-4, non-standard size ^{*1}
Paper weight	60 - 256 g/m ² (16 lb. Bond - 80 lb. Bond, -140 lb. Index)
Maximum capacity	550 sheets (80 g/m ² , 20 lb. Bond)
Power source	DC 3.3 V, DC 24 V (supplied from the equipment)
Dimensions	520 mm (20.5") (W) x 540 mm (21.3") (D) x 131.8 mm (5.2") (H)
Weight	Approx. 8.7 kg (19.2 lb.)

*1 For the acceptable non-standard size, see the reference below:

 8 "Acceptable paper"

■ Large Capacity Feeder

Model name	KD-1071
Acceptable paper size	A4, LG, LT, 13"LG
Paper weight	60 - 256 g/m ² , 16 lb. Bond - 140 lb. Index
Maximum capacity	2000 sheets (80 g/m ² , 20 lb. Bond) (Height: approx. 230 mm or 9.1")
Power source	DC 3.3 V, DC 24 V (supplied from the equipment)
Dimensions	605 mm (23.8") (W) x 578.2 mm (22.8") (D) x 427 mm (16.8") (H) (incl. Stabilizer)
Weight	Approx. 29 kg (63.9 lb.)

Exit Options

■ Offline Stapler

Model name	MJ-1047
Maximum number of sheets available for stapling	20 Sheets (80 g/m ² , 20 lb. Bond)
Power source	DC 24 V (supplied from the equipment)
Dimensions	121 mm (4.8") (W) x 156 mm (6.1") (D) x 120 mm (4.7") (H)
Weight	Approx. 0.8 kg (1.8 lb.)

System Options

■ FAX Unit

Model Name	GD-1370NA-N/EU
Size of Original	A4, B5, A5, FOLIO, LG, LT, ST
Recording Paper Size	A4, B5, A5, FOLIO, LG, LT, ST
Compatibility Communication Modes	ECM, Super G3
Communication Resolution	Horizontal: 8 dots/mm, 16 dots/mm, 300 dots/inch
	Vertical: 3.85 lines/mm, 7.7 lines/mm, 15.4 lines/mm, 300 dots/inch
Transmission Rate	33,600/31,200/28,800/26,400/24,000/21,600/19,200/16,800/14,400/12,000/9,600/7,200/ 4,800/2,400 bps
Encoding Systems	JBIG/MMR/MR/MH
Memory Capacity	Transmission/Reception: 1 GB *1
Unit Type	Desktop type, transmitting/receiving dual type
Applicable Network	Public Switched Telephone Network (PSTN)

*1 For the internal storage device, MB means 1 million bytes. (Total accessible capacity of the internal storage device may vary depending on operating environment.)

Recommended paper is used for the values above. Specifications and appearance are subject to change without notice in the interest of product improvement.

■ Wireless LAN and Bluetooth units

Model Name	GN-4030
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□ Wireless LAN

Transmission Format	IEEE 802.11a/b/g/n/ac standard Direct Sequence Spread Spectrum (DSSS) Orthogonal Frequency Division Multiplexing (OFDM)
Data Rate	867 Mbps at a maximum (11ac, 80 MHz)
Access Method	CSMA/CA
Frequency Band	Based on Radio Law of each country, 2.4 GHz (2412 to 2472 MHz), 5 GHz (5180 to 5825 MHz)
Security	None WEP 64 bit or 128 bit WPA/WPA2 Personal (AES(CCMP) or TKIP+AES) WPA2 Personal (AES(CCMP) or TKIP+AES) WPA3 Personal (AES(CCMP)) 802.1X Dynamic WEP WPA/WPA2 Enterprise (AES(CCMP) or TKIP+AES) WPA2 Enterprise (AES(CCMP) or TKIP+AES) WPA3 Enterprise (AES(CCMP)) WPA3 Enterprise 192 bit (GCMP) WPS: WPS-PBC, WPS-PIN PEAP/EAP-TLS supported RADIUS server (TLS 1.2) Windows Server 2016 or later hostapd Integrated EAP Server
Operation Mode	Infrastructure Mode, Wi-Fi Direct (Group Owner: ON/OFF, When “ON” is selected, 8 units can be connected at a maximum.)
Wireless ON/OFF	Available
Wired LAN/Wireless LAN Simultaneous Operation	Wired/Wireless LAN (Infrastructure mode): Available Wired/Wireless LAN (Wi-Fi Direct): Available Wireless LAN (Infrastructure mode and Wi-Fi Direct): Available

□ Bluetooth

Standard	Bluetooth V4.2 standard compliant
Frequency Band	2.4 GHz (2402 to 2480 MHz)
Data Rate	Max. 2.1 Mbps (Asymmetric) Max. 1.3 Mbps (Symmetric)
Radio Modulation	FHSS (Frequency Hopping Spread Spectrum)
Transmitter Power	Max. 10 dBm
Support Profile	For Print: HCRP, OPP For Keyboard: HID
Bluetooth ON/OFF	Available

Tip

Wireless LAN and Bluetooth can be operated at the same time.

MULTIFUNCTIONAL DIGITAL COLOR SYSTEMS

Specifications

 **e-STUDIO331AC/401AC**

Toshiba Tec Corporation

1-11-1, OSAKI, SHINAGAWA-KU, TOKYO, 141-8562, JAPAN

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