# PRINT ||| SENSE
simplifying copiers and desktop printers

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# e-STUDIO409s
# e-STUDIO448s

## Product brochure

- Print, scan, copy and fax directly at your workplace with these Toshiba A4 monochrome multifunction devices.

- Toshiba high standard document quality at a print speed of up to 40/44 pages per minute on a broad range of media.

- Both models are designed to meet the highest environmental standards and have a low energy consumption, helping to save money and valuable resources.

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## TOGETHER INFORMATION
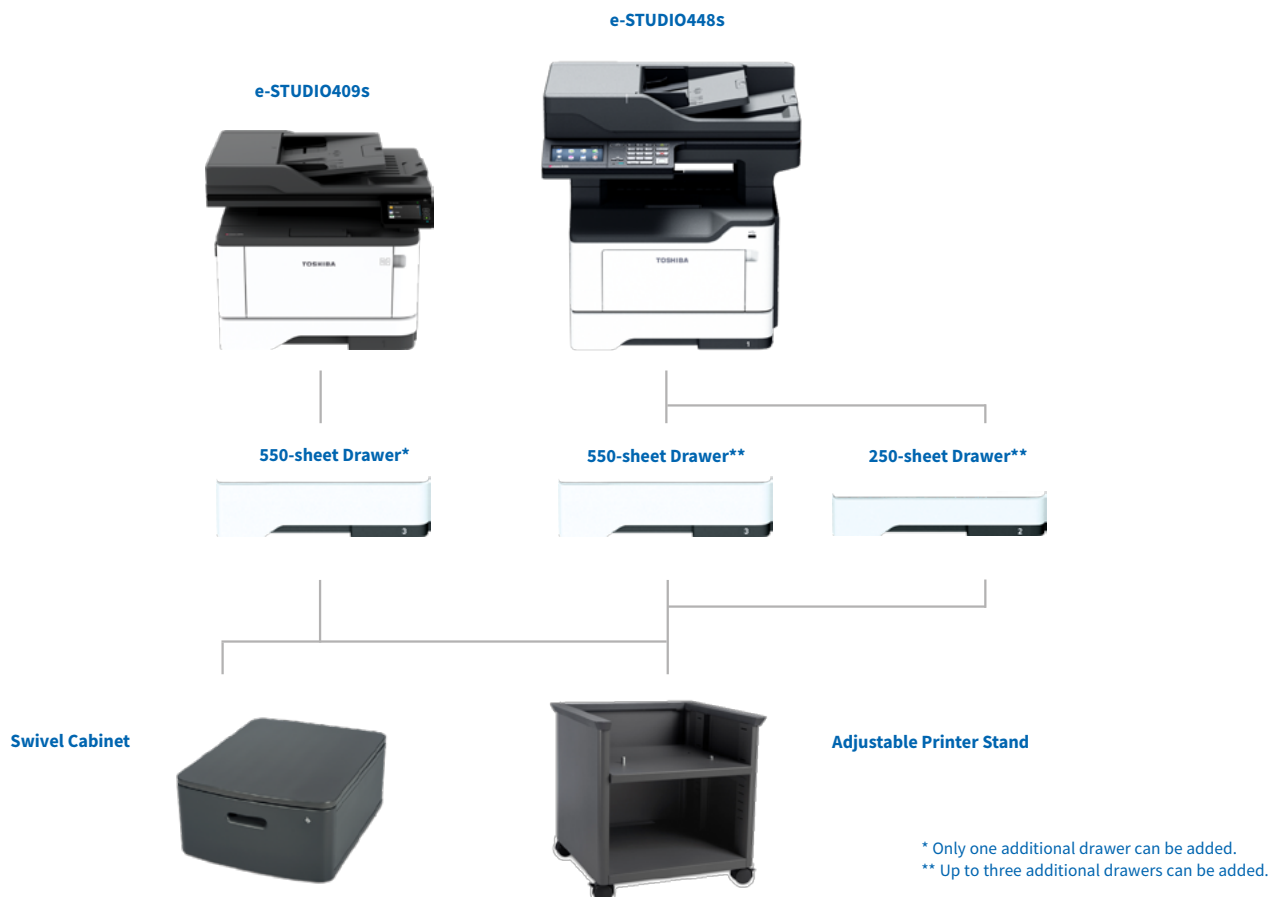
# Powerful all-in-one devices

The e-STUDIO409s and e-STUDIO448s are true all-rounders and powerful all-in-one devices which will have the full ability to boost your efficiency. Via the large touch screen you can easily access all functions and apps, which are installed on the systems.

A print speed of up to 40 and 44 pages per minute and a maximum paper capacity of 900 and 2,000 sheets respectively, ensure that the e-STUDIO409s and e-STUDIO448s cover the needs of small- and medium-sized companies and workgroups. Thanks to flexible connectivity and the support of mobile printing they also meet the requirements of modern business workflows. And with security issues being more and more relevant in today's world, we have implemented various security features to prevent unauthorised access to the systems– which allows you to protect what's yours.

To reduce the impact your business has on the environment, the e-STUDIO409S and the e-STUDIO448S offer optimised power consumption and various print and energy-save settings that can help you save valuable resources and money.

# Configuration

e-STUDIO448s

e-STUDIO409s

550-sheet Drawer*

550-sheet Drawer**

250-sheet Drawer**

Swivel Cabinet

Adjustable Printer Stand

* Only one additional drawer can be added.
** Up to three additional drawers can be added.

# Specifications

## General

| | e-STUDIO409s | e-STUDIO448s |
|---|---|---|
| **Print Speed** | 40 ppm | 44 ppm |
| **Copy Speed** | 39 cpm | 44 cpm |
| **Warm-up Time** | ~ 9 seconds (from sleep mode) | |
| **Paper Size & Weight** | | |
| Cassette | A6-A4/custom, 60-120 gsm | A6-A4/custom, 60-120 gsm |
| Bypass | 99x148 mm - 215x359 mm, 60-217 gsm | 76x127 mm - 216x356 mm, 60-216 gsm |
| **Paper Capacity** | | |
| Cassette | 1x 250 sheets | 1x 250 sheets |
| Bypass | 1x 100 sheets | 1x 100 sheets |
| Max. | 900 sheets | 2,000 sheets |
| **Output Capacity** | 150-sheet capacity | 250-sheet capacity |
| **Automatic Duplex** | A4/custom, 60-90 gsm | |
| **Colour Touch Panel** | 7.2 cm (2.8") | 10.9 cm (4.3") |
| **Memory** | | |
| Standard/Max. | 512 MB/512 MB (no HDD) | 2 GB/2 GB (500 GB HDD) |
| **Interface** | 10Base-T/100Base-TX/1000Base-T (incl. IPv6), High Speed USB 2.0, WLAN[1] (IEEE802.11 ac/a/b/g/n) | |
| **Dimensions** | | |
| W x D x H | 411 x 366 x 339 mm | 489 x 430 x 477 mm |
| Weight | ~ 12.8 kg | ~ 20.6 kg |
| **Initial Consumables** | Starter cartridge with Toner and Imaging unit | |

## Print

| | e-STUDIO409s | e-STUDIO448s |
|---|---|---|
| **Resolution** | Max.: 600 x 600 dpi | Max.: 1,200 x 1,200 dpi |
| **First Print Output Time** | ~ 5.9 seconds | ~ 6 seconds |
| **Page Description Language** | PCL 6, PCL 5, PostScript 3 and PDF v1.7 emulation, XPS[2], PPDS[2] | |
| **Supported Systems** | Windows 10/8/8.1 Windows Server 2016/ Server 2012/ Server 2008 (32/64 bit), Windows Server 2012 R2/ Server 2008 R2 (64bit), Mac OS X 10.6-10.13[2], Linux/Unix, Novell NetWare, Citrix, SAP | |
| **Mobile Printing** | AirPrint, Mopria Print Service | |
| **Print Functions** | Universal Printer Driver, Print from USB, Print from SharePoint[1][2], Multiple pages per sheet, Envelope printing | |

## Scan

| | e-STUDIO409s | e-STUDIO448s |
|---|---|---|
| **Resolution** | | |
| Colour | Max.: 600 x 600 dpi | |
| Monochrome (Mono) | Max.: 1,200 x 1,200 dpi (via platen, network or USB TWAIN driver) | |
| **Scan Speed** | | |
| Simplex Colour/Mono | 20/46 ipm (300 dpi) | 22/42 ipm (300 dpi) |
| Duplex Colour/Mono | 40/92 ipm (300 dpi) | 48/84 ipm (300 dpi) |
| **Document Feeder** | | |
| Simplex/Duplex | 50 sheets, A6-A4 custom, 60-90 gsm | 50 sheets, A6-A4 custom, 52-120 gsm |
| **File Formats** | TIFF, JPG, PDF, Secure PDF, PDF/A, XPS[2] | |
| **Scan Functions** | WS Scan, Scan to E-Mail, Scan to USB, Scan to File | |
| | Scan to FTP, Scan to Network Share Folder | Scan to SharePoint[1], Scan preview, e-STUDIO Scan, TWAIN |

## Copy

| | e-STUDIO409s | e-STUDIO448s |
|---|---|---|
| **Resolution** | Max.: 600 x 600 dpi | |
| **First Copy Output Time** | ~ 5.9 seconds | ~ 6 seconds |
| **Zoom** | 25 - 400 % | |
| **Copy Modus** | Text, Text/Photo | |
| **Copy Functions** | Multiple pages per copy, Mixed-size copy[2], Margin Shift[2], ID Card Copy | |

## Fax

| | |
|---|---|
| **Communication** | Super G3 |
| **Transmission Speed** | ~ 3 seconds per page |
| **Compression** | JBIG, JBIG2, MMR, MR, MH, JPEG |
| **Fax Functions** | Colour fax, Speed Dial (up to 500 destinations), Group dialing, Network fax |
| **Incoming Fax Routing** | To shared folders, E-Mail |

## System & Security

| | |
|---|---|
| **System Features** | Energy saving modes, Automatic toner saturation/ darkness adjustment, Remote user interface[1][2] |
| **Accounting & Security** | Private print, IP address filter, Port filter, Support of SNMPv3, SSL and IPsec protocols, 802.1x authentication, Operator panel lock[2], Non-voilatile memory wipe, Hard disk encryption[2], Automatic hard disk wiping,[2], End-of-life disk wiping[2] |

## Options

| | |
|---|---|
| **250-sheet Drawer[2]** | 250-sheet capacity, A5-A4, 60-120 gsm |
| **550-sheet Drawer [3]** | 550-sheet capacity, A5-A4, 60-120 gsm |
| **Swivel Cabinet** | |
| **Adjustable Printer Stand** | |
| **User Flash Memory[2]** | |
| **Wireless LAN Module[2]** | |
| **Forms and Barcode Card[2]** | |
| **PRESCRIBE Card[2]** | |
| **IPDS Card[2]** | |
| **Security Element[2]** | |

Works with Apple AirPrint

mopria
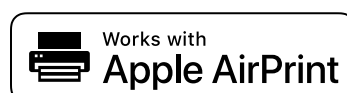
[1] Optional
[2] e-STUDIO448s only
[3] Different for e-STUDIO409s and e-STUDIO448s

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