

**e-STUDIO409s**

**e-STUDIO448s**

## Datasheet

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- Compact and powerful A4 monochrome multifunctional printer with print, scan, copy, and fax functionality.
- For excellent quality document output and impressive speed of up to 40/44 pages per minute.
- Dual-scan document feeder with a scanning speed of up to 92 images per minute.
- Both models are designed to meet the highest environmental standards and have a low energy consumption, helping to save money and valuable resources.



## 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.

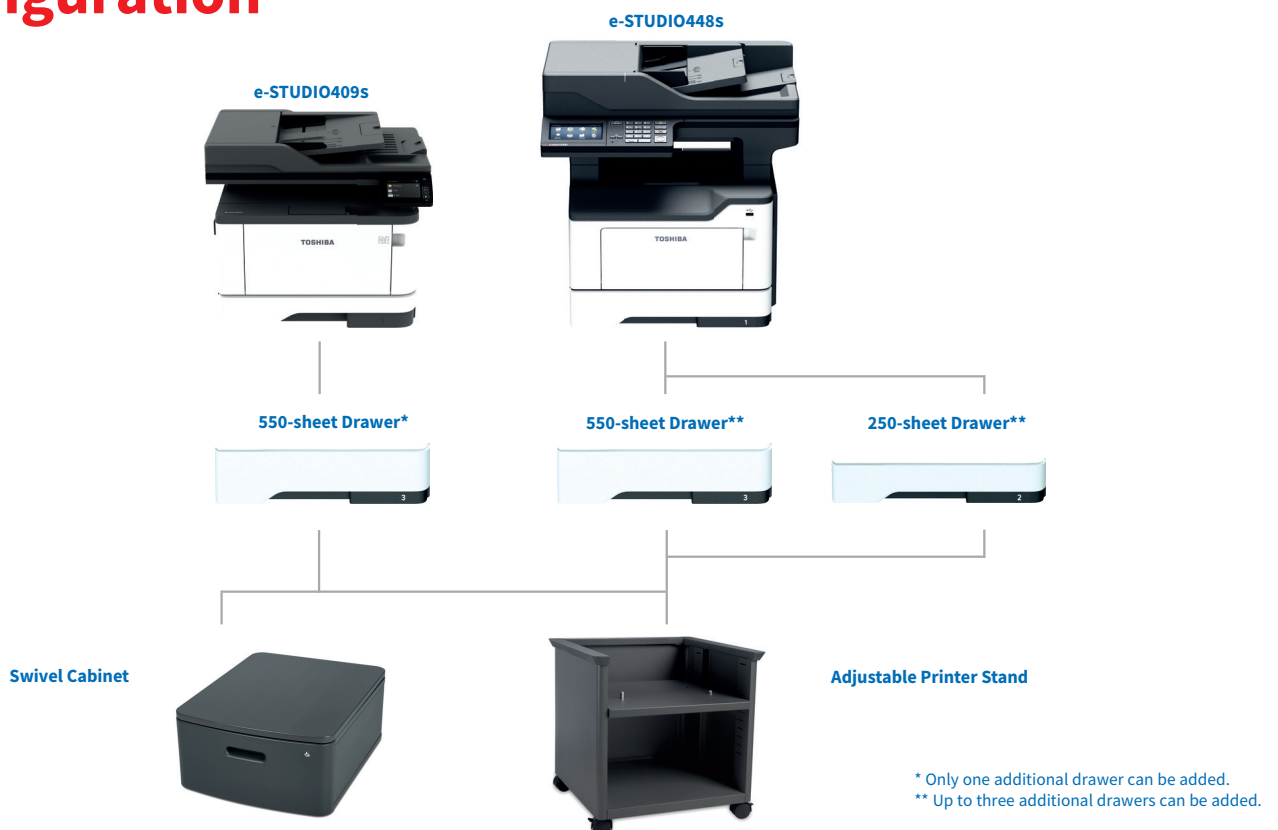
A print speed of up to 40 and 44 pages per minute and a maximum paper capacity of 900 and 2,000 sheets respectively, ensure that the e-STUDIO409s and e-STUDIO448s cover the needs of small- and medium-sized companies and workgroups. For perfect and variable integration into modern office environments, mobile print integrations as well as a USB 2.0 interface for printing and scanning are available.

The e-STUDIO409s/448s are also ideal for digitising documents. With a scanning speed of up to 92 images per minute, even larger volumes can be processed at high speed. The dual-scan document feeder digitises quickly and efficiently, as the documents do not have to be turned over for a double-sided scan. The issue of data protection is of great importance. A wide range of security features and settings are available to protect the systems from unauthorised access. Additional security protocols and individual settings complete the security concept.

To ensure an optimised power consumption and reduce the impact your business has on the environment, the e-STUDIO409s and the e-STUDIO448s offer various print and energy save settings. These will help you save valuable resources and money.



## Configuration



# Specifications

## General

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

## Print

	e-STUDIO409s	e-STUDIO448s
<b>Resolution</b>	Max.: 600 x 600 dpi	Max.: 1,200 x 1,200 dpi
<b>First Print Output Time</b>	~ 5.9 seconds	~ 6 seconds
<b>Page Description Language</b>	PCL 6, PCL 5, PostScript 3 and PDF v1.7 emulation, XPS <sup>2)</sup> , PPDS <sup>2)</sup>	
<b>Supported Systems</b>	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 <sup>3)</sup> , Linux/Unix, Novell NetWare, Citrix, SAP	
<b>Mobile Printing</b>	AirPrint, Mopria Print Service	
<b>Print Functions</b>	Universal Printer Driver, Print from USB, Print from SharePoint <sup>1)2)</sup> , Multiple pages per sheet, Envelope printing	

## Scan

	e-STUDIO409s	e-STUDIO448s
<b>Resolution</b>		
Colour	Max.: 600 x 600 dpi	
Monochrome (Mono)	Max.: 1,200 x 1,200 dpi (via platen, network or USB TWAIN driver)	
<b>Scan Speed</b>		
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)
<b>Document Feeder</b>		
Simplex/Duplex	50 sheets, A6-A4 custom, 60-90 g/m <sup>2</sup>	50 sheets, A6-A4 custom, 52-120 g/m <sup>2</sup>
<b>File Formats</b>	TIFF, JPG, PDF, Secure PDF, PDF/A, XPS <sup>2)</sup>	
<b>Scan Functions</b>	WS Scan, Scan to E-Mail, Scan to USB, Scan to File	
	Scan to FTP, Scan to Network Share Folder	Scan to SharePoint <sup>1)</sup> , Scan preview, e-STUDIO Scan, TWAIN

## Copy

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

## Fax

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

## System & Security

<b>System Management</b>	e-FleetManager <sup>1)</sup>
<b>System Features</b>	Energy saving modes, Automatic toner saturation/darkness adjustment, Remote user interface <sup>1)2)</sup>
<b>Accounting &amp; Security</b>	Private print, IP address filter, Port filter, Support of SNMPv3, SSL and IPsec protocols, 802.1x authentication, Operator panel lock <sup>2)</sup> , Non-volatile memory wipe, Hard disk encryption <sup>2)</sup> , Automatic hard disk wiping <sup>2)</sup> , End-of-life disk wiping <sup>2)</sup>

## Options

<b>250-sheet Drawer<sup>2)</sup> KD-2060</b>	250-sheet capacity, A5-A4, 60-120 g/m <sup>2</sup>
<b>550-sheet Drawer<sup>3)</sup> KD-1074</b>	550-sheet capacity, A5-A4, 60-120 g/m <sup>2</sup>

### Swivel Cabinet - MH-3100

### Adjustable Printer Stand - KK-3200

### User Flash Memory<sup>2)</sup> - GC-1420

### Wireless LAN Module<sup>3)4)</sup> - GN-1170

### Forms and Barcode Card<sup>2)</sup> - GB-2080LXX

### PRESCRIBE Card<sup>2)</sup> - GB-2090LXX

### IPDS Card<sup>2)</sup> - GB-2100LXX



<sup>1)</sup> Optional

<sup>2)</sup> e-STUDIO448s only

<sup>3)</sup> Different for e-STUDIO409s and e-STUDIO448s

<sup>4)</sup> Within the IDD Territory, the Wireless Module is available in the following countries: Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Greece, Hungary, Latvia, Lithuania, Luxembourg, Malta, Portugal, Romania, Slovakia and Slovenia

## About Toshiba Tec

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