

TOSHIBA

e-STUDIO4528A series

- > Monochrome Multifunction Printer
- > Up to 45 PPM
- > Medium / Large Workgroup
- > Copy, Print, Colour Scan, Fax
- > Secure MFP
- > Solution Ready
- > Fast Performance



**TOGETHER
INFORMATION**

PRODUCT DESCRIPTION

OUTSTANDING PERFORMANCE

CLOUD-READY AND SECURE FOR TODAY'S DIGITAL WORKPLACE

TECHNOLOGY FOR EVERY WORKPLACE

Every business is unique. That's why Toshiba offers the latest customizable solutions that can be tailored to meet your needs. Toshiba solutions help you simplify complex tasks while managing diverse information—efficiently and safely to maximize your productivity.

Toshiba's latest series delivers on our promise of Together Information - our commitment to collaborate with clients to provide reliable, cost-effective solutions that meet your print, document management and content needs while helping you to meet your green objectives.

- > 25, 30, 35, and 45 PPM in monochrome.
- > Up to 240 PPM Dual-Scan Document Feeder with double-feed detection technology to serve your scanning needs without missing a beat.
- > Advanced e-BRIDGE Next technology enables the MFP to drive Toshiba's internally developed solutions or those from a third party with ease.
- > Optional 2,000 LCF "Large Capacity Feeder" for letter size paper.
- > Additional optional 2,000 External LCF for letter size paper extending the paper capacity of your MFP to an astounding paper capacity of 5,200 sheets.

KEY BENEFITS

- > Flexibility and Scalability
- > Ultimate user experience
- > Industry-leading security standard
- > Customizable user interface
- > Extensive range of apps, cloud and mobile print functions

SSD TECHNOLOGY

Toshiba understands that your time is valuable, so all our new models employ an incredibly fast SSD "Solid-state Drive" to keep up with your daily interactions with the device, so when you walk up to the device you spend less time waiting and more time focused on your task.

You also will appreciate the elegant 10.1" full colour control panel, your complex workflow can be performed with a simple touch of a button. Designed with an easy-to-customize user interface, you can simply change the background image, the size and colour of the text on the control panel, you can even change the image and the size of the icons, and much more, in just a few clicks.

RELIABILITY YOU CAN COUNT ON

The Toshiba e-STUDIO4528A Series is built on the proven e-BRIDGE Next platform, and a Toshiba robust hardware technology. The series brings to your office the best of Scan, Print and Copy capability for your documents including Letter size (8.5" x 11"), Legal size (8.5" x 14"), Ledger/Tabloid size (11" x 17").



MFP APPS

EMBEDDED MFP SOLUTIONS

EMBEDDED APPS

Each company has different ways of storing and sharing data. Therefore, all e-BRIDGE Next systems can be equipped with embedded MFP apps to enhance your efficiency. Just choose the ones you need to customize your MFP and meet your requirements or preferences. Whether you wish to connect to cloud services or local applications, we have the solution you need. To ensure you have the perfect fit, our team of software developers can even create customized Apps for your workflow.

SERVERLESS CONCEPT

The embedded Toshiba MFP Apps install on the MFP itself. No IT requirements, no added server requirements, and best of all, it only takes a few seconds to install an App.

MOST POPULAR SOLUTIONS

Toshiba thrives to bring you the easiest and most secure way to integrate with popular solutions and cloud services using MFP Apps. Your large 10.1" control panel serves as a gateway to your favourite cloud storage.

MFP APPS

- > Microsoft 365® MFP Bundle
 - e-BRIDGE Plus for Exchange® Online
 - e-BRIDGE Plus for SharePoint® Online
 - e-BRIDGE Plus for OneDrive® for Business
- > Google Workspace Bundle
 - e-BRIDGE Plus for Gmail for G Suite™
 - e-BRIDGE Plus for Google Drive™ for G Suite™
- > e-BRIDGE Plus for OneDrive®
- > e-BRIDGE Plus for Google Drive®
- > e-BRIDGE Plus for DropBox®
- > e-BRIDGE Plus for Box.com®
- > e-BRIDGE Plus for Green Information
- > e-BRIDGE Plus for Zone OCR
- > e-BRIDGE Plus for Barcode Scan
- > e-BRIDGE Plus for ID Card
- > e-BRIDGE Plus for USB Storage
- > Scan Plus
- > Print Plus
- > StackSend MFP App
- > Department Management
- > User Management
- > e-BRIDGE Plus for Voice Guidance

MOST SECURE

All Toshiba MFP Apps are very secure for multiple reasons:

- > The Toshiba e-STUDIO runs on a proprietary operating system; hackers do not know what/how to hack.
- > The Toshiba e-STUDIO will only install digitally signed Apps produced by Toshiba.
- > The MFP development-and-signing is very restricted and can only be performed by the Toshiba development engineers.
- > It is not possible to install any App that has not been signed by Toshiba development engineers.
- > Toshiba employ "Whitelisting" technology to ensure that only Toshiba signed firmware and Apps can be installed on the device.
- > Toshiba employ anti-malware technology to protect your data from malicious attacks.

MOVING FORWARD

As new technologies are introduced to the marketplace, Toshiba provides integration using new MFP Apps, so your Toshiba MFP will keep growing with new technologies.

ECONNECT TOUCHFREE

Share the MFP – nothing else with the eConnect TouchFree™ mobile App for Android and iOS. You can seamlessly get your task done using your mobile device without touching the MFP control panel.

eConnect™
TouchFree™



FOR THE LATEST LIST OF MFP APPS, PLEASE VISIT
www.toshibatec.ca/mfp-apps

SEAMLESS INTEGRATION

SCAN WORKFLOW

Toshiba MFPs bridge the gap between paper and electronic documents. The e-BRIDGE Next platform is designed to seamlessly integrate with applications and cloud services to provide automated document workflow. By utilizing intelligent data capture, you optimize your productivity, eliminate bottlenecks and reduce errors.

OCR OUT-OF-THE-BOX

Optical Character Recognition (OCR) uses advanced algorithms to convert scanned documents into electronic formats, including searchable PDFs, editable Word, Excel, and PowerPoint files.

PRINT WORKFLOW

Packed with state-of-the-art technologies, the e-BRIDGE Next platform offers many secure print features designed to optimize your print workflow out-of-the-box. You set the access level that suits your organization with ease with a variety of options, from serverless solutions to enterprise server-based solutions. Users have the ability to release, or re-print documents from any device on your network.

DEVICE MANAGEMENT

Toshiba's e-BRIDGE Cloud Connect provides a remote management service to maximize the uptime of your devices and reduces your IT workload. Automatic meter readings and service alerts are just two examples of how this service can help free up your time to focus on your business.

WIRELESS INTEGRATION

The Toshiba e-STUDIO supports the native print features of the iOS and Android systems. AirPrint® and Mopria® are available out-of-the-box.

Furthermore, Toshiba's "e-Bridge Print and Capture" App is available to you from your device's App Store.



THE APP PROVIDES MORE ADVANCED FEATURES SUCH AS:

- > Print from and scan to your favourite cloud storage, e.g. Google Drive™, OneDrive®, box™, DropBox®, etc.
- > Authenticate using MFP User Management
- > Authenticate using MFP Department Management
- > Authenticate to your server
- > Authenticate to your Output Management Software Solution

BYOD

If your company employs a BYOD "Bring Your Own Device" concept, the Toshiba e-STUDIO has the capabilities to allow users to access the MFP for scan/print without intruding on your company's network. Your IT staff will love the security and peace of mind the e-STUDIO offers.



BUILT-IN SECURITY FEATURE

TAMPER-PROOF MFP SECURITY

- > Highest security settings with one button (over 70 attributes for maximum security)
- > Port blocking, IP/MAC address filtering
- > Fully encrypted wireless communications
- > Monitored access with logs

ANTI-HACKING SECURITY MEASURES

- > Highly secure Linux® operating system
- > Blocks unauthorized BIOS changes
- > Whitelisting security
 - Firmware is digitally signed to block unauthorized firmware install
 - Applications can be installed only if they have a Toshiba signature
- > Trusted Platform Module (TPM)
- > Anti-malware

ULTIMATE HDD PROTECTION

- > Unique Self-encrypting HDD provides the utmost level of HDD security with real-time 256-bit AES encryption
- > Overwrite any data immediately after each job
- > Strict device decommission process with one button

DIGITAL DOCUMENT PROTECTION

- > Secure Inputs
- > Secure Retention
- > Secure Outputs

ROBUST ACCESS SECURITY

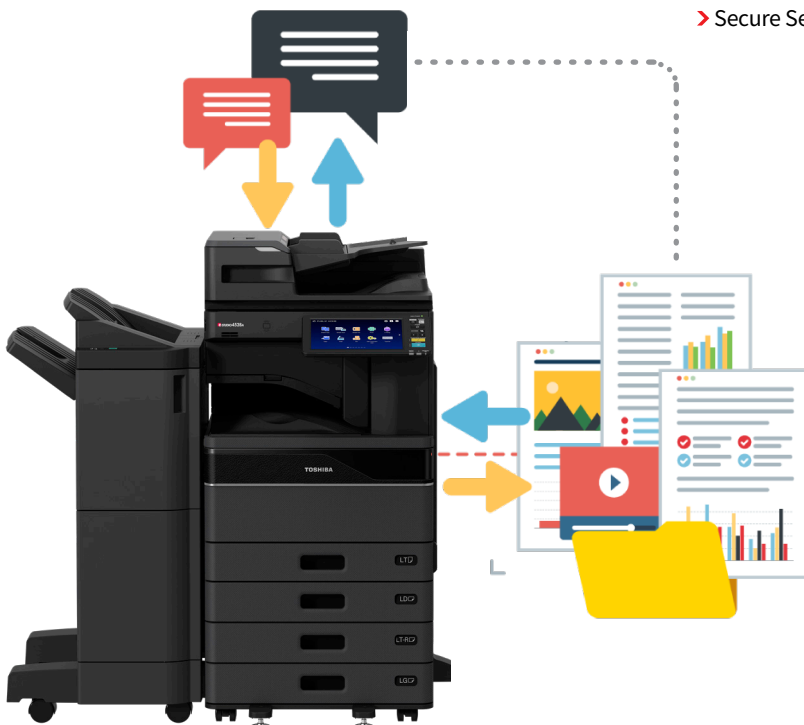
- > Two-factor authentication
- > Strict password enforcement
- > Role-based access
- > USB port control (limit/disable)
- > Intrusion detection
- > Systems integration

FLEET-WIDE SECURITY

- > eCC “e-BRIDGE Cloud Connect” security enforcement
 - Built on Microsoft Azure with multi-level security layers
- > Restrict, monitor, manage (detect and remediate)
- > Policy violation alerts and auto correction
- > ISO 27001 compliant

REMOTE EMPLOYEES

- > Secure Cloud Apps (TLS1.2 encryption)
- > Secure Send/Receive with IPsec “IP Security Architecture”



TLS, SMB Packet Signing, IEEE802.1X (Wired/Wireless LAN), ISO/IEC15408 (CC Certification), HCD-PP (Protection Profile for Hard Copy Device), WS Security, Digital Signature for Client Utilities, Optional IPsec (IKEv1, IKEv2), Security warning message, Security Stamp, Server Authentication, MFP Local Authentication.

The SED technology ensures that the HDD communicates only to the MFP. Any attempts to access the HDD by other means renders the data inaccessible guaranteeing that your data is safe.

BUILT WITH THE ENVIRONMENT IN MIND

We at Toshiba recognize that the basic responsibility of people living today is to hand over the precious global environment to the next generation in a sound condition. Out of this recognition and in accordance with our Environmental Vision, we strive to preserve natural resources and ensure coexistence with the earth.

The Toshiba e-STUDIO4528A series has achieved the most prestigious environmental certificates worldwide, such as:

> **ENERGY STAR® Tier 3.0**

This means that the Toshiba e-STUDIO models have achieved the highest level of energy efficiency.



> **EPEAT Gold Registered**

EPEAT is a U.S. nonprofit organization that collaborates to achieve a world in which only sustainable IT products are designed, manufactured, and purchased. The Toshiba e-STUDIO have earned the Gold Rating, which is the highest achieved rank.

> **Blue Angel**

The Blue Angel is a German certification for products and services that have environmentally friendly aspects. It certifies that the Toshiba e-STUDIO uses low energy consumption, low emissions, low noise level, and is durable.

> **Nordic Swan**

The Nordic Ecolabel or Nordic Swan is the official sustainability ecolabel for products from the Nordic countries. It verifies that the Toshiba e-STUDIO adheres to high environmental, quality and health levels granted to the most environmentally sound products.

Toshiba strives to reduce the environmental impacts of all business processes, encompassing design, procurement, manufacturing, logistics, sale, and disposal, with a focus on the prevention of global warming, efficient utilization of resources and control of chemical substances.

THE NEW E-STUDIO MODELS HAVE NUMEROUS PAPER WASTE REDUCTION FEATURES SUCH AS:

- > Omit Blank Pages
- > 2 in 1, 4 in 1, 8 in 1, 16 in 1
- > Hold Print
- > Private Print
- > Auto-Duplex

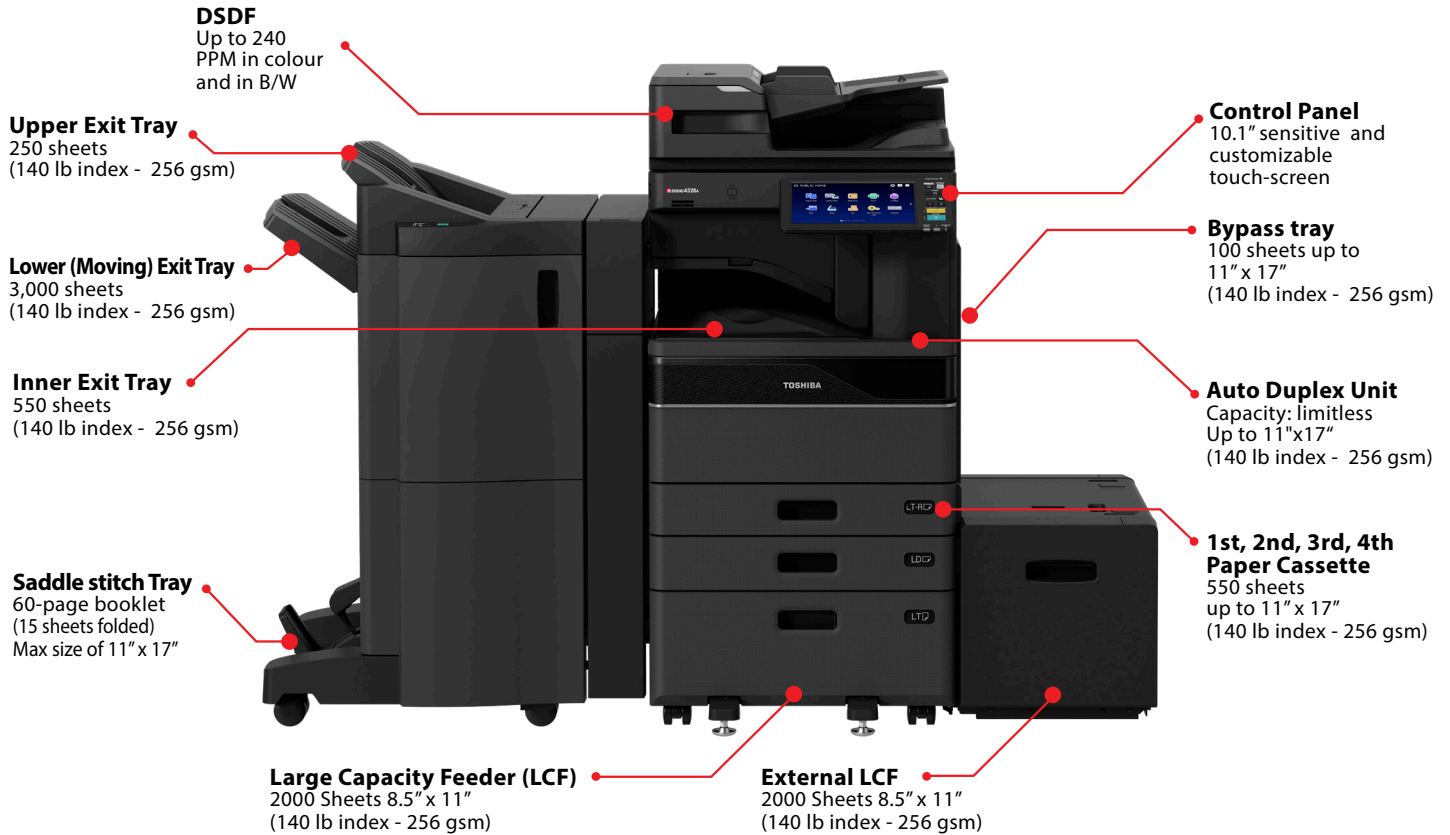
PRODUCT CERTIFICATION

- > WHQL (Windows® 8.1, 10, 11, 2012, 2012 R2, 2016, 2019, 2022)
- > Mac OS 10.12, 10.13, 10.14, 10.15, 11, 12
- > Citrix®
- > SAP® (Gold Member)
- > AirPrint®
- > Mopria®

SAP® Member Gold
Printer Vendor Program



DEVICE CONFIGURATION & ACCESSORIES



Accessories (Options)

Additional Paper Options

DSDF with double feed detection	MR-4020
Reversing Automatic Document Feeder	MR-3033
Platen Cover	KA-5005PC

Additional Paper Options

Paper Feed Pedestal	KD-1072
Paper Drawer (550-Sheet for KD-1072)	MY-1052
Envelope Drawer	MY-1053
Large Capacity Feeder (LCF) (2,000-Sheet) LT Size	KD-1073LT
External LCF (2,000 sheet) LT size	MP-2002L

Finishing Options

Job Separator	MJ-5015
Inner Finisher	MJ-1048
Bridge Kit	KN-5005
Console Finisher	MJ-1113
Saddle-Stitch Finisher	MJ-1114
Hole-Punch Unit (For MJ-1048)	MJ-6011N
Hole-Punch Unit (For MJ-1113/MJ-1114)	MJ-6107N
Staple Cartridge (For MJ-1048)	STAPLE-2400
Staple Cartridge (For MJ-1114 Saddle-Stitch)	STAPLE-3100
Staple Cartridge (For MJ-1113/MJ-1114)	STAPLE-3900

Miscellaneous Options

Stand	ST-5005
Accessory Tray	GR-1330
Accessible Arm	KK-2560

Connectivity/Security Options

Wireless LAN/Bluetooth	GN-4030
Fax Unit (1st / 2nd line)	GD-1370NA-N
2nd NIC holder (does not include 2nd NIC)	GR-1430
Multi-Station Print License	GS-1090Node
Meta Scan License	GS-1010Node
IPSec Enabler License	GP-1080Node
Unicode Font License	GS-1007Node
Hardcopy Security Printing License	GP-1190Node
Harness Kit for Coin Controller	GO-1280
USB Hub	GR-1420
512GB SSD with security	GE-1280
320GB FIPS Certified HDD	GE-1260
Panel Ten Key Option	GR-1340
Bluetooth Wireless Keyboard	GR-9000

MFP Apps

Microsoft 365® MFP Apps Bundle	GB-365Node
Includes:	
-OneDrive® 365 App	
-Exchange® 365 App	
-SharePoint® 365 App	
G-Suite™ MFP Apps Bundle	GB-G-SuiteNode
Includes:	
-Gmail for G-Suite™ App	
-Google Drive™ for G-Suite™ App	

e-BRIDGE Plus for Zone OCR License	GB-2330NODE
e-BRIDGE Plus for Voice Guidance License	GB-2540NODE

SPEC SHEET

e-STUDIO2528A/3028A/3528A/4528A

Main Specifications

Copy System	Indirect Electrostatic Photographic Method/OPC/LED. Heat Roller Fusing
Display	10.1" Colour WSVGA Touch Screen Tilting Display
Copy Speed	25/30/35/45 PPM (LT)
First Copy Out	4.3/4.3/3.6/3.6 seconds
Warm-Up Time	Approximately 20 Seconds
Copy Resolution	600 x 600 dpi
Stack Feed Bypass	ST-R, LT, LG, LD, Envelope
Multiple Copying	Up to 999 Copies
Paper Capacity	Standard 1,200 Sheets/Maximum 5,200 Sheets
Original Feed	300-Sheet DSDF / 100-Sheet RADF
Scan Speed	DSDF: 240 SPM Colour/BW – RADF: 73 SPM Colour/BW
Scan Format	JPEG, TIFF-Multi/Single Page, PDF-Multi/Single Page, Slim PDF-Multi/Single Page, XPS-Multi/Single Page, Searchable PDF-Multi/Single Page, Searchable PDF/A-Multi/Single Page, DOCX-Multi/Single Page, XLSX-Multi/Single Page, PPTX-Multi/Single Page
Paper Feed Sizes	5.5"x8.5", 8.5"x11", 8.5"x14", 11"x17", 12"x18"
Trays Capacity	Drawer 1: 550 Sheets (ST-R to LD) / Drawer 2: 550 Sheets (ST-R to 12" x 18") / Stack Feed Bypass: 100 Sheets (3.9" x 5.8" to 12" x 18") Opt. 550-Sheet Paper Feed Pedestal: (ST-R to 12" x 18") / Opt. 550-Sheet Drawer for PFP: (ST-R to 12" x 18") / Opt. Envelope Cassette for PFP: (Approx. 60 Envelopes, 550 Sheets-ST-R to LG) / Opt. 2,000-Sheet LCF: (Pedestal Type LT Only) / Opt. 2,000 External LCT: (LT Only)
Duplex	Standard Automatic Duplex Unit
Reproduction Ratio	25% to 400%
Max Duty Cycle	100K/120K/125K/150K Month
Weight	eS2528A/3028A: Approx. 55 kg, (121.3 lb) / eS3528A/eS4528A: Approx. 57 kg, (125.7lb)
Approx. Dimensions	W: 23" x D: 23" x H: 31" (at 90 degrees of control panel)
CMYK Toner Yield	K: 43.9K @ 5%
Power Source	120 Volts, 50/60 Hz, 12 Amps
Power Consumption	Maximum 1.5kW (120V)
CPU	Intel E3930 1.3GHz(Dual Core)
Memory	4GB RAM
Hard Disk Drive	128GB SSD Self-Encrypting Drive / Optional: 512 GB SSD Self-Encrypting Drive / Optional: 320GB FIPS Certified HDD

e-BRIDGE Next Print Specifications

PDL	PCL5e, PCL5c, PCL6 (PCL XL), PS3, PDF, XPS, JPEG
Print Speed	25/30/35/45 Pages Per Minute (LT)
Print Resolution	600 x 600 dpi (5 bit), 1,200 x 1,200 dpi or 3,600 (Equivalence) x 1,200 dpi (with smoothing) (PS3 only)
Operating Systems	Windows Server® 2012, 2012 R2, 2016, 2-19, 2022 Windows® 8.1,10,11 Macintosh® (macOS X 10.12, 10.13, 10.14, 10.15, 11, 12), Unix®, Linux®
Network Protocols	TCP/IP (IPv4, IPv6), NetBIOS over TCP/IP, IPX/SPX® for Novell® Environments, EtherTalk for Macintosh® Environments
Printing Protocols	SMB V1/2/3, LPR/LPD, IPP (Ver.1.1) w/Authentication TLS 1.2/1.3, Port 9100 (bi-directional), WS Print TLS 1.2/1.3, FTP TLS 1.2/1.3
Print Drivers	Windows Server® 2008 SP2 (32-bit, 64-bit) Windows Server® 2008 R2 SP1 (64-bit), Windows® 7 SP1 (32-bit, 64-bit), Windows® 8.1 (32-bit, 64-bit), Windows Server® 2012/R2 (64-bit), Windows Server® 2016/2019, macOS X 10.7.4, 10.8, 10.9, 10.10, 10.11, 10.12, 10.13, 10.14, 10.15
Interface	RJ-45 Ethernet (10/100/1000 Base-T), USB 2.0 (High-speed) Optional IEEE802.11b/g/n, Wireless LAN, Optional Bluetooth
Wireless Device	AirPrint®, Mopria®, e-BRIDGE Print & Capture Application on iOS and Android (Available via Apple® App Store or Google Play)
Device Management	TopAccess
Account Control	Up to 10,000 users or 1,000 Departments Supports User Authentication (on Device), Login Name/Password (via Windows® domain) or LoginName/Password (via LDAP Server) for Copy, Print, Scan, Fax, List, and User Function
Accessibility Features	VNC Support, Tilt Front Panel, Job Programs, Universal Grip for Paper Trays, Disable Screen Timeout and Audible Beep Message Alerts

e-Filing Specifications

Operation Method	Colour Touch Screen Control Panel or Client PC
Number of Boxes	1 Public Box, 200 Private User Boxes
Capacity of Boxes	100 Folders Per Box, 400 Documents Per Folder/Box, 200 Pages Per Document

Facsimile Specifications

Compatibility	Super G3
Data Compression	JBIG, MMR, MR, MH
Transmission Speed	Approx. 3 Seconds Per Page
Fax Modem Speed	Up to 33.6 Kbps
Memory	1 GB (HDD)
Transmission	400 Destinations/Job
Scan Speed	0.7 Seconds Per Page, Maximum 73 - 240 IPM



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