RICOH
imagine. change.

Multifunctional Products and Printers for Healthcare

Convenience and control
customized for Healthcare





Transform your healthcare workflows

As healthcare professionals become more accountable, you have never been more pressured to boost productivity and streamline your HIPAA compliance processes. RICOH® introduces its next generation of healthcare printing devices that offer security firmware for a built-in paper tray that locks or a combination built-in paper tray that locks and is also Teflon-enhanced for wristband and label media applications. Learn how our printing devices and healthcare business services can help you optimize workflow efficiency in healthcare environments ranging from acute care to admissions, pharmacies and nursing stations with limited space.

Key Benefits

- Avoid workflow interruptions by printing on regulated media (e.g., prescription forms) and non-regulated media with the same printing device
- Maximize productivity with unique multifunction printers that can safeguard regulated media across print, copy and fax modes
- Help to ensure reliable feeding of recommended wristband and adhesive-backed label media with a built-in, Teflon-enhanced Locking Paper Tray on select models
- Install almost anywhere thanks to small footprints and low profiles allowing the devices to fit below a shelf and into other tight spaces
- Add optional paper feed units (locking, Teflon-enhanced or non-locking) to increase total paper capacity up to 2,600 sheets

Unlock your true productivity

FIND THE RIGHT HEALTHCARE BUSINESS PARTNER

As both the manufacturer of your locking and Teflon-enhanced paper tray hardware, and developer of your locking-tray security firmware, Ricoh uniquely tailors healthcare printing devices to help you optimize your HIPAA compliance workflows—today and in the future as you face changing regulations and new potential threats. Additionally, Ricoh healthcare business services can help you reach your goals faster so you can spend more time caring for your patients and less time managing your printing workflows.



GAIN FREEDOM OF DEPLOYMENT

You may find it difficult or impossible to designate unique secure locations to process regulated media, particularly, pre-printed prescription forms. With a built-in locking tray, you can deploy Ricoh's healthcare printing devices where it makes the most sense to streamline your workflow. Process jobs with both regulated media and non-regulated media on a single device instead of limiting print jobs with regulated media to designated devices tucked away behind locked doors.



EXPANDED MEDIA CAPABILITY

Further boost productivity and reduce your office equipment costs by using fewer healthcare printing devices to complete jobs across a wide variety of media. With a Ricoh healthcare device that has a Teflon enhanced paper tray or optional paper feed unit, you can print on wristband media as narrow as 4.25".



TAKE ON INCREASED WORKLOADS

Spikes in patient flow do not have to disrupt your workflows. Or perhaps you need to increase the workload for a particular print device. With Ricoh, convert your print station into a dynamic hub of productivity. Configure Ricoh healthcare printing devices to handle large workloads with optional paper feed units that can increase total paper capacity up to 2,600 sheets. Added paper trays can be locking, non-locking, or Teflon enhanced—depending on what makes the most sense for your workflows.



Explore key innovations on Ricoh healthcare printing devices

LOCKING AND TEFLON-ENHANCED TRAY HARDWARE:

A standard built-in locking tray and optional additional locking trays help to secure regulated stock, such as pre-printed prescription forms. Select models also offer a built-in locking tray with Teflon paper guides to help ensure reliable media feeding when you print on wristbands and adhesive-backed labels. Optional, standard, locking, or Teflon enhanced paper feed units are also available to increase media paper capacity up to 2600 sheets.



LOCKING TRAY SECURITY FIRMWARE:

Advanced security firmware helps to safeguard regulated media from theft and unauthorized viewing when:

- In copy mode: Prevents the ability to see and select the secure locking tray from the Operation Panel and Web Image Monitor (remote management tool).
- Print, copy and fax modes (on Ricoh healthcare multifunction printers): Disables access to the secure locking tray for the Auto Tray Switching function, which might otherwise take paper from the secure locking tray if a non-locking tray were to become empty during a job.
- All modes: Disables access to the secure locking tray by the local hard drive.
- All modes: When printing from a mobile device or storage device such as a USB drive, access to the locking tray is disabled.
- All modes: With an optional or standard HDD installed, automatically overwrites latent images on the hard drive via DataOverwriteSecurity System (DOSS).



PORTABLE PRINT CONFIGURATIONS:

Store and export your device settings to an SD card so you can configure a different device quickly and easily.



Empower your modern workstyle

COST-EFFECTIVE OWNERSHIP, SIMPLE MAINTENANCE

When you print jobs with regulated, non-regulated or special media on a single printer or MFP, you can gain significant cost savings in many areas. Via simple print management tools, limit your healthcare personnel to print only what they need when they need it. Also, set limits for total print volumes per user, workgroup or department. Save time and costs with maintenance that is so easy, no training is required for normal tasks such as replacing toner or other consumables.



CONSERVE RESOURCES, PROTECT YOUR BUDGET

Complete your document jobs without compromising your commitment to environmental sustainability. Save paper with automatic, double-sided printing and eliminate blank pages. Conserve energy with Sleep mode and the ECO Night Sensor (on printers only). Ricoh healthcare printing devices meet EPEAT* criteria and are certified with the latest ENERGY STAR®* specifications. Plus, the Ricoh Cartridge Return Program makes it easy to recycle your used consumables.

COLLABORATE AND SHARE INFORMATION EASILY

Connect to and work in the cloud and take your information with you. On Ricoh Healthcare MFPs, use the optional Integrated Cloud Environment (ICE) service to print from, or scan to, apps like DocumentMall™, Evernote™, Dropbox™ or Google Drive™, all without using expensive on-site servers, system integration or software updates. Also store and access your documents in the places you prefer for convenient anytime sharing.



MONITOR YOUR PERFORMANCE

It's easy to say you're saving money and increasing efficiency. It's another thing to prove it. Use Ricoh's Web Image Monitor to check system status, change settings, manage job queues and expedite maintenance right from the desktop. You can even assign up to 1,000 user codes to track volumes and trends by individual users, and leverage the information to improve print behavior. Need to manage multiple devices? Then install Ricoh's free management utility Device Manager NX Lite to manage up to 250 devices. Simplify installation, configuration and monitoring of multiple networked devices.



*ENERGY STAR certification and EPEAT registration are pending for the SP 5300DNTL and MP 501SPFTL models. EPEAT Silver rating is applicable only in the USA.

Healthcare Printing Devices

SYSTEM HIGHLIGHTS

Build your healthcare printer fleet with Ricoh's innovative printers and multifunction printers that offer everyday convenience and security features to accommodate specific healthcare requirements. Choose the system that best fits the unique demands of your organization.



Help to protect regulated media across multiple MFP modes

SP 4510SFTE with Locking Tray and Security Firmware

Black and White Multifunction Printer (MFP)

- Prints up to 42 ppm, copy, scan, fax
- 1200 x 1200 dpi max print resolution
- Paper capacity up to 1,600 pages
- Standard automatic double-sided printing
- Tilting 4.3" color touch panel with shortcuts



Smart, energy-efficient solution to help protect regulated media

SP 4510DNTE with Locking Tray and Security Firmware

Black and White Printer

- Prints up to 42 ppm
- 1200 x 1200 dpi max print resolution
- Paper capacity up to 1,600 pages
- Standard automatic double-side printing
- Easy-to-read,four-line-LCD panel



Enhanced productivity with the flexibility to print wristbands and labels

MP 501SPFTL with Teflon enhanced Locking Tray and Security Firmware

Black and White Laser Multifunction Printer

- Prints up to 52 ppm, copy, scan, fax
- 1200 x 1200 dpi max print resolution
- Paper capacity up to 2,600 pages
- Get jobs done faster and easier with the 10.1" Smart Operation Panel
- Digitize 2-sided documents quickly with the Automatic Reversing Document Feeder (ARDF)



Speed and flexibility to print regulated media including wristbands and labels

SP 5300DNTL with Teflon enhanced Locking Tray and Security Firmware

Black and White Laser Printer

- Prints up to 52 ppm
- 1200 x 1200 dpi max print resolution
- Paper capacity up to 2,600 pages
- Print with the Ricoh App for Google Cloud Print
- Eco-Night Sensor can automatically turn off device when lights go off

Ricoh Printers/MFPs for Healthcare	SP 4510SFTE	SP 4510DNTE	MP 501SPFTL	SP 5300DNTL
Device Type	MFP	Printer	MFP	Printer
Built-in Locking Paper Tray	■	■	■	■
Built-in Locking Paper Tray with Teflon	NA	NA	■	■
Locking Tray Security Firmware	■	■	■	■
Wristband & Label Printing	NA	NA	■	■
Portable Print Configuration	■	■	■	■
Locked Print	■ *	■ *	■	■ *
DataOverwrite Security System	■ *	■ *	■	■ *
Hard Disk Drive Encryption	■ *	■ *	■	■ *
Optional 250-Sheet Locking Tray	■	■	NA	NA
Optional 500-Sheet Locking Tray	■	■	■	■
Optional 500-Sheet Tray with Teflon	NA	NA	■	■

*With optional hard disk drive (HDD).

Note: Please visit ricoh-usa.com for a list of the wristband and label media that has been tested and is recommended for use in the MP 501SPFTL and SP 5300DNTL Healthcare devices.

RICOH SP 4510SFTE

SYSTEM SPECIFICATIONS

Engine Specifications

SP 4510SFTE	Part # 407920
Configuration	Desktop
Technology	LED
Color/B&W	Black & White
Printing Process	Electro-photographic printing
Scanning Element	CCD
Toner Type	Dry, single component
B&W Print Speed (Letter)	42 ppm
Maximum Monthly Volume	Up to 10,000 prints
Maximum Monthly Duty Cycle	150,000 prints
First Page Out Time	5.1 seconds
Warm-up Time	14 seconds
Recovery Time from Sleep Mode	9.2 seconds
Standard Paper Capacity	1 x 500-Sheet Tray + 100-Sheet Bypass Tray
Maximum Paper Capacity	1,600 sheets
Standard Output Capacity	250 sheets
Supported Paper Sizes	Paper Tray: 3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm) Bypass Tray: 2.37" x 5.0" – 8.5" x 35.43" (60 x 127 – 216 x 900 mm)
Supported Paper Weights	All Trays: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²) Duplex: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Supported Paper Types	Plain, Recycled, Thick, OHP (Transparency), Letterhead, Preprinted and Envelopes
Duplexing	Automatic (standard)
Power Consumption (Operating)	616 W
Power Consumption (Sleep Mode)	0.59 W
Typical Electricity Consumption (TEC)	1.756 kWh/week
Power Requirements	120 V, 60Hz, 10A
Dimensions (WxDxH)	16.5" x 16.8" x 19" (419 x 427 x 484 mm)
Weight	50.6 lbs. (23 kg)
ENERGY STAR	Certified
EPEAT	Silver

Copy Specifications

Copy Resolution	Up to 600 x 600 dpi
Document Feeder Type	Automatic Reversing Document Feeder (ARDF)
Document Feeder Capacity	50 sheets
Document Feeder Original Size	8.5" × 14" – 5.5" × 8.5" (A4 – A6), Custom: up to 8.5" x 35.43"
Document Feeder Paper Weight	Simplex: 14 – 34 lb. Bond (52 – 128 g/m²) Duplex: 16 – 28 lb. Bond (60 – 105 g/m²)
Maximum Original Size	Exposure glass: 8.5" × 11.7" (216 × 297 mm) ADF: One-sided originals: 8.5" x 23.6" (216 × 600 mm), Two-sided originals: 8.5" x 14" (216 × 356 mm)
Maximum Copy Quantity	99 copies
Preset Reduction & Enlargement Ratios	65%, 78%, 93%, 129%, 155%
Zoom Range	25% to 400% in 1% increments

Copier Features

ID Card Copy; Auto/Manual Density Control; Auto Start; Batch Mode; Mixed Size Originals; Copy Mode – Text, Text/Photo and Photo, Generation Copy, Pale; Combine Pages; Margin Adjustment; Auto Tray Switching; Image Rotation; Electronic Sort; Job Program (25); User Codes (1,000)

Print Specifications

Processor Speed	533 MHz
Memory (Standard/Maximum)	1 GB/1.5 GB RAM
Hard Disk Drive	320 GB (optional)
Print Resolution	Up to 1200 x 1200 dpi
Printer Languages	Standard: PCL6/5e, Adobe® PostScript®3™, PDF Direct Optional: XPS
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0, USB 2.0 Host, SD Card Slot Optional: IEEE1284, IEEE802.11a/b/g/n
Font Support	PCL6: 45 fonts, PCL5: 45 fonts + International fonts 13 fonts, PostScript3: 136 fonts
Network Protocols	TCP/IP (IPv4, IPv6)
Supported Operating Systems	Windows XP/Vista/7/8/8.1/Server2003/2008/2008R2/2012/2012R2, MacOS (X10.5 or later) PS only, UNIX filters for Sun Solaris, HP-UX, Red Hat Linux, SCO OpenServer, IBM AIX; SAP R/3; Citrix Presentation Server 4.5/Citrix XenApp 5.0, 6.0, 6.5
Device Management Utilities	@Remote, SmartDeviceMonitor, Device Manager NX, Web SmartDeviceMonitor, Web Image Monitor
Mobile Printing	Smart Device Print & Scan App

Other Print Features

Scheduled Print*, Auto Continue, Store and Skip Errored Job, Classification Code, PDF Direct Print, Sample/Hold/Stored and Locked Print*, WSD Printer, Unauthorized Copy Prevention, Poster Print, Collate, Toner Saving Mode

*Hard disk drive required.

Controller Options

Hard Disk Drive Option Type M6	Part # MX407222RA
Memory Unit Type M 1.5 GB	Part # 007167MIU
OCR Unit Type M2	Part # 416605
Browser Unit Type M6	Part # 407225
File Format Converter Type E	Part # 414007
XPS Direct Print Option Type M6	Part # 407343
VM Card Type W	Part # 407218
IEEE802.11a/b/g/n Interface Unit Type O	Part # 407113
IEEE 1284 Interface Board Type A	Part # 411699
Copy Data Security Unit Type G	Part # 416391
Optional Counter Interface Unit Type A	Part # 413012

Scan Specifications

Scanner Resolution	Color and B&W: up to 600 dpi TWAIN: up to 1200 dpi
Scanning Speed (Letter)	B&W: up to 32 ipm, Color: up to 31 ipm
Platen Size	Up to 8.5" x 11" (216 x 297 mm)
Maximum Scanning Size	Up to 8.5" x 23.6" (216 x 600 mm)
Scan Modes	Text, Text/Line Art, Text/Photo, Photo, Glossy Photo Color (26 bit), Gray Scale (8 bit)
File Formats	JPEG, Single/Multi Page TIFF, PDF, High Compression PDF, PDF/A; OCR*
Scan-To Modes	Scan-to-Email (with LDAP support); Scan-to-Folder (SMB/FTP); Scan-to-URL; Network TWAIN, Scan-to-Media (USB/SD); WSD Scanner
Scan Protocols	Network: TCP/IP; Email: SMTP, POP3, IMAP4; Scan-to-Folder: SMB, FTP, WSD Scanner

*OCR option required.

Document Server Specifications*

Capacity	38 GB (shared with other functions)
Maximum Stored Documents	3,000 documents
Maximum Pages (per document)	1,000 pages
Maximum Pages (all stored documents)	9,000 pages

*Hard disk drive required.

Facsimile Specifications

Fax Resolution	Up to 200 dpi
Fax Scanning Speed w/ARDF	22-spm (Letter)
Modem Speed	33.6 kbps with auto fallback
Fax Compression Method	MH, MR, MMR, JBIG
SAF Memory Size	4 MB (approximately 320 sheets)
Transmission Speed	G3: 2 seconds per page (JBIG Compression)
Quick Dials	1,000 standard, 2,000 with HDD
Group Dials	100 groups
Standard Fax Features	Dual Access, Duplex Reception, 12-Hour Backup, LAN-Fax, Internet Fax (T.37), IP Fax (T.38), Fax Forwarding to E-Mail/HDD/Folder, PSTN, PBX

Security Features

Administrator and User Authentication*, User Lockout, Auto Logout, Menu Protect, Data Encryption (Address Book/User Authentication Information/Job Logs/Temporary Stored Document/Network Interface Settings/System Settings), Network Security via TCP/IP Access Control, Encrypted communications using SSL/TLS, IPsec, or IEEE 802.1X; SMNPv3, IPP Authentication, Kerberos Authentication Encryption, Wireless LAN Security (WEP, WPA2/ WPA2-PSK), Protect document data with Locked* and Stored Print*, Unauthorized Copy Prevention, Compulsory Security Stamp, HDD Data Overwrite* and Encryption*

*Hard disk drive required.

Hardware Options

Paper Feed Unit PB1060	Part # 407230
Paper Feed Unit PB1060TE	Part # 407932 (Locking)
Paper Capacity	250 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weight	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 3.7" (370 x 392 x 95 mm)
Weight	9.04 lbs. (4.1 kg)

Paper Feed Unit PB1070	Part # 407229
Paper Feed Unit PB107OTE	Part # 407934 (Locking)
Paper Capacity	500 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weight	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 4.9" (370 x 392 x 125 mm)
Weight	9.92 lbs. (4.5 kg)

Adjustable Height Cabinet Type G	Part # 161200

Supports all SP 4510SF configurations

Dimensions (WxDxH)	17.8" x 19.4" x 21.7" (453 x 491.5 x 552 mm)
Weight	42 lbs.

Tall cabinet Type L	Part #52511

Configure with main unit only or with one optional Paper Feed Unit.

Dimensions (WxDxH)	14.6" x 15.4" x2 0.5" (371 x 391 x 520 mm)
Weight	30.8 lbs. (14 kg)

Medium Cabinet Type M	Part # 52501

Configure with main unit plus any two optional Paper Feed Units.

Dimensions (WxDxH)	14.6" x 15.4" x 14.6" (371 x 391 x 371 mm)
Weight	24.2 lbs. (11kg)

Consumables & Yields

	Yield	Part #
Print Cartridge SP 4500HA	12,000 pages*	407316
Print Cartridge SP 4500A	6,000 pages*	407319
Print Cartridge SP 4500LA	3,000 pages*	407321
Photo Conductor Unit SP 4500	20,000 pages	407324
Maintenance Kit SP 4500	120,000 pages	407329

*Declared yield values in accordance with ISO/IEC 19752. Actual yields may vary based on images printed and other factors.

The Ricoh SP 4510SFTE ships with starter toner that yields 6,000 pages (ISO/IEC 19752).

For maximum performance and yield we recommend using genuine Ricoh parts and supplies.

Specifications subject to change without notice.

Warranty

The RICOH SP 4510SFTE is under warranty against defects for a period of one year from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty documents shipped with the product for more details.

RICOH SP 4510DNTE

SYSTEM SPECIFICATIONS

Engine Specifications

SP 4510DNTE	Part # 407924
Configuration	Desktop
Technology	LED
Color/B&W	Black & White
Printing Process	Electro-photographic printing
Toner Type	Dry, single component
B&W Print Speed (Letter)	42 ppm
Maximum Monthly Volume	10,000 prints
Maximum Monthly Duty Cycle	150,000 prints
First Page Out Time	5 seconds
Warm-Up Time	17 seconds
Print Resolution	Up to 1200 x 1200 dpi
Standard Paper Capacity	1 x 500-Sheet Tray + 100-Sheet Bypass Tray
Maximum Paper Capacity	1,600 sheets
Standard Output Capacity	250 sheets
Supported Paper Sizes	Paper Tray: 3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm) Bypass Tray: 2.37" x 5.0" – 8.5" x 35.43" (60 x 127 – 216 x 900 mm)
Supported Paper Weights	All Trays: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²) Duplex: 14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Supported Paper Types	Plain, Recycled, Thick, OHP (Transparency), Letterhead, Preprinted and Envelopes
Duplexing	Automatic (standard)
Power Consumption (Operating)	561.7 W
Power Consumption (Sleep Mode)	0.43 W
Typical Electricity Consumption (TEC)	1.752 kWh/week
Recovery Time from Sleep Mode	9.2 seconds
Power Requirements	120 V, 60Hz, 10A
Dimensions (WxDxH)	14.6" x 15.4" x 12.0" (370 x 392 x 306 mm)
Weight	34.2 lbs. (15.5 kg)
ENERGY STAR	Certified
EPEAT	Silver

Controller Specifications

Processor Speed	533 MHz
Memory (Standard/Maximum)	512 MB/1 GB RAM
Hard Disk Drive	320 GB (optional)
Maximum Stored Documents	950 files (HDD required)
Maximum Stored Pages	9,000 pages (HDD required)
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0, USB 2.0 Host Optional: IEEE1284, IEEE802.11a/b/g/n
Printer Languages	Standard: PCL6/5e, Adobe® PostScript®3™, PDF Direct Optional: IPDS*, XPS
Font Support	PCL6: 45 fonts, PCL5: 45 fonts + International fonts 13 fonts, PostScript3: 136 fonts, IPDS: 108 fonts (optional)
Network Protocols	TCP/IP (IPv4, IPv6)
Supported Operating Systems	Windows XP/Vista /7/8/8.1/Server2003/2008/2008R2/2012/2012R2, MacOS (X10.5 or later) PS only; UNIX filters for Sun Solaris, HP-UX, Red Hat Linux, SCO OpenServer, IBM AIX; SAP R/3; Citrix Presentation Server 4.5/Citrix XenApp 5.0, 6.0, 6.5; IBM iSeries/AS/400®**
Device Management Utilities	@Remote, SmartDeviceMonitor, Device Manager NX, Web SmartDeviceMonitor, Web Image Monitor

*Hard disk drive and optional memory required.
**IPDS option required.

Print Features

Scheduled Print*, Auto Continue, Classification Code, PDF Direct Print, Sample/Hold/Stored and Locked Print*, Unauthorized Copy Prevention, Poster Print, Collate, Toner Saving Mode

*Hard disk drive required.

Controller Options

Hard Disk Drive Option Type P1	Part # MX407348RA
Memory Unit Type N 1.0 GB	Part # 007150MIU
IEEE 802.11 Interface Unit Type O	Part # 407113
IEEE 1284 Interface Board Type A	Part # 411699
IPDS Unit Type P1	Part # 407349
VM Card Type W	Part # 407218
XPS Direct Print Option Type P1	Part # 407351

Security Features

Administrator and User Authentication*, User Lockout, Auto Logout, Menu Protect, Data Encryption (Address Book/User Authentication Information/Job Logs/Temporary Stored Document/Network Interface Settings/System Settings), Network Security via TCP/IP Access Control, Encrypted communications using SSL/TLS, IPsec, or IEEE 802.1X; SMNPv3, IPP Authentication, Kerberos Authentication Encryption, Wireless LAN Security (WEP, WPA2/ WPA2-PSK), Protect document data with Locked* and Stored Print*, Unauthorized Copy Prevention, Compulsory Security Stamp, HDD Data Overwrite* and Encryption*

*Hard disk drive required.

Hardware Options

Paper Feed Unit PB1060	Part # 407230
Paper Feed Unit PB1060TE	Part # 407932 (Locking)
Paper Capacity	250 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weights	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 3.7" (370 x 392 x 95 mm)
Weight	9.04 lb. (4.1 kg)
Paper Feed Unit PB1070	Part # 407229
Paper Feed Unit PB107OTE	Part # 407934 (Locking)
Paper Capacity	500 sheets
Supported Paper Sizes	3.94" x 5.82" – 8.5" x 14" (100 x 148 – 216 x 356 mm)
Supported Paper Weights	14 – 43 lb. Bond/90 lb. Index (52 – 162 g/m²)
Dimensions (WxDxH)	14.6" x 15.4" x 4.9" (370 x 392 x 125 mm)
Weight	9.92 lb. (4.5 kg)
Adjustable Height Cabinet Type G	Part # 161200
Supports all SP 4510DNTE configurations	
Dimensions (WxDxH)	17.8" x 19.4" x 21.7" (453 x 491.5 x 552 mm)
Weight	42 lbs.
Tall cabinet Type L	Part #52511
Configure with main unit only or with one optional Paper Feed Unit.	
Dimensions (WxDxH)	14.6" x 15.4" x2 0.5" (371 x 391 x 520 mm)
Weight	30.8 lbs. (14 kg)
Medium Cabinet Type M	Part # 52501
Configure with main unit plus any two optional Paper Feed Units.	
Dimensions (WxDxH)	14.6" x 15.4" x 14.6" (371 x 391 x 371 mm)
Weight	24.2 lbs. (11kg)

Consumables & Yields

	Yield	Part #
Print Cartridge SP 4500HA	12,000 pages*	407316
Print Cartridge SP 4500A	6,000 pages*	407319
Print Cartridge SP 4500LA	3,000 pages*	407321
Photo Conductor Unit SP 4500	20,000 pages	407324
Maintenance Kit SP 4500	120,000 pages	407329

*Declared yield values in accordance with ISO/IEC 19752. Actual yields may vary based on images printed and other factors.

The Ricoh SP 4510DNTE ships with starter toner that yields 6,000 pages (ISO/IEC 19752).

For maximum performance and yield we recommend using genuine Ricoh parts and supplies.

Specifications subject to change without notice.

Warranty

The RICOH SP 4510DNTE is under warranty against defects for a period of one year from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty documents shipped with the product for more details.

RICOH MP 501SPFTL

SYSTEM SPECIFICATIONS

Engine/Copier Specifications

RICOH MP 501SPFTL	Part # 408119
Configuration	Desktop
Technology	B&W laser electro-photographic printing
Toner Type	Dry, mono component
Copy Resolution	600 x 600 dpi
Maximum Copy Quantity	Up to 999
Control Panel	10.1" Smart Operation Panel
B&W Copy/Print Speed (Letter)	MP 501SPFTL: 52 ppm
Maximum Monthly Volume	MP 501SPFTL: 16,600 prints
Duty Cycle	MP 501SPFTL: 250,000 prints
First Copy/Print Out Time	6 seconds or less
Recovery Time from Sleep Mode	20.44 seconds
Memory (Standard/ Maximum)	2 GB RAM + 320 GB Hard Disk Drive
Original Type	Sheets/Books
Maximum Original Size	8.5" x 14" (216 x 356 mm)
Standard Paper Capacity	1 x 500-Sheet Tray + 100-Sheet Bypass Tray
Maximum Paper Capacity	2,600 sheets
Standard Output Capacity	500 sheets (LT)
Supported Paper Sizes	Paper Tray: 14" – 11" Bypass Tray: 2.76" x 5.83" – 8.5" x 14" Optional Trays: 3.62" x 6.38" – 8.5" x 14"
Supported Paper Weights	Standard Tray, Optional Trays and when Duplexing: 17 – 32 lb. Bond/66 lb. Index (64 – 120 g/m2) Bypass Tray: 16 – 59 lb. Bond/122 lb. Index (60 – 220 g/m2)
Supported Paper Types	Plain, Thin, Middle, Thick, Recycled, Colored, Special, Letterhead, Preprinted, Bond, OHP (Transparency)*, Label, Envelopes**
Document Feeder Type	Automatic Reversing Document Feeder
Document Feeder Original Size	8.5" x 14" (216 x 356 mm)
Document Feeder Paper Weight	13 – 20 lb. / 44 Index (50 – 80 g/m2)
Document Feeder Capacity	75 sheets
Preset Reduction & Enlargement Ratios	65%, 78%, 93%, 100%, 129%, 155%
Zoom Range	25% to 400% in 1% increments
Standard Features	Auto Paper Selection, Auto Start, Auto Tray Switch, Combine Copy, Directional Magnification, Duplex, Electronic Sort, ID Card Copy, Image Density Adjustment, Image Quality Mode, Interrupt Copy, Memory Copy, Series Copy, User Program, Import/Export of Preference Settings, Centralized Address Book Management
Dimensions (WxDxH)	18.7" x 19.84" x 25.39" (475 x 504 x 645 mm) (mainframe)
Weight	61.6 lbs. (28 kg)
Power Consumption (Operating)	MP 501SPFTL: 740 W
Power Consumption (Sleep Mode)	1.1 W
Typical Electricity Consumption (TEC)***	MP 501SPFTL: 2.982 kWh/week
Power Requirements	120 V, 60Hz, 15A
ENERGY STAR	Certified (pending)
EPEAT	Silver Rated (pending)

*From Bypass Tray only.
**From Bypass Tray and Optional Paper Trays
***Typical Electricity Consumption by ENERGY STAR program.

Printer Specifications (Standard)

Processor Speed	1.46 GHz
Print Resolution	Up to 1200 x 1200 dpi
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0 Type A x 2, SD Card Slot x 2 Optional: Wireless LAN IEEE802.11a/b/g/n, Bluetooth, USB 2.0 Type B, IEEE1284, NIC 2 Port (Print Server)
Printer Languages	Standard: PCL5e/6, Genuine Adobe® PostScript®3™/PDF Direct Print Optional: XPS
Font Support	PCL: 45 fonts + 6 Bitmapped fonts + 13 International fonts PostScript3/136 fonts
Network Protocols	TCP/IP (IPv4, IPv6), SMTP (sending email), SMB/FTP (scan-to-folder), Web services on devices for scanning
Supported Operating Systems	Windows® Vista/7/8/8.1/10/Server2003/ Server 2003R2 /Server 2008/ Server 2008R2/Server 2012/ Server 2012 R2, CPS/XenApp PCL/PS only; Mac OS X (10.7 or later) PS only; UNIX Sun Solaris 9/10, HP-UX 11.x, 11i v2, 11i v3, Red Hat Linux Enterprise V4/V5/V6, SCO OpenServer 5.0.7/6.0, IBM AIX V5L/V5.3/ V6.1/V7.1; SAP R/3
Device Management Software/Utilities	Device Software Manager, Web Image Monitor, Streamline NX, GlobalScan NX, Scan CX, Enhanced Locked Print NX, FlexRelease NX, Card Authentication Package, Remote Communication Gate Type S, Remote Communication Gate Type A, @Remote Connector NX, Device Manager NX Lite/Accounting/Pro/ Enterprise, Printer Driver Packager NX
Mobile Print	RICOH Smart Device Connector, RICOH App for Google Cloud Print, Airprint
Other Print Features	Eco-Friendly Indicator, PDF Direct Print, Mail to Print, Classification Code, Bonjour Support, Windows Active Directory Support, DDNS Support, PCL Resident Font Adoption, Tray Parameter Change from Web Image Monitor, 1200 dpi Support, Universal Driver, XPS Support, WS Printer, Wireless LAN Interface Option, Media Direct Print (Print from USB/SD), Banner Page Print, Auto Job Promotion, Poster Print, WPS Support, Sample/ Locked/Hold/Scheduled/Stored Print/Store and Print

Scan Specifications (Standard)

Scan Speed (B&W & Full Color)	B&W: Up to 62 ipm Simplex/Up to 27 ipm Duplex (Letter, A4) Full Color: Up to 42 ipm Simplex/Up to 18 ipm Duplex (Letter, A4)
Scan Resolution	Full Color & B&W: Up to 600 dpi
Platen Size	Up to 8.5" x 14"
Connection Type	MFP must be connected via 10/100/100 Base-TX Ethernet (standard) or IEEE 802.11 a/b/g/n Wireless Interface (optional) for network TWAIN scanning and Scan-to modes. Standard Scan-to-USB/SD Cards via control panel.
Protocol	TCP/IP, SMB, SMTP, FTP, WSD Scanner
Compression Method	B&W: TIFF (MH, MR, MMR, JGIB2), Grayscale Full Color: JPEG
Scan Mode	B&W: Text, Text/Line Art, Text/Photo, Photo, Grayscale Full Color: Text/Photo, Glossy Photo, Auto Full Color Select
File Formats	Single and Multi-Page TIFF/PDF, High Compression PDF-Single/MultiPage, PDF/A-Single/MultiPage JPEG
Standard Features	Scan-to-USB/SD, WS Scanner, Scan-to-Email/SMB/FTP/URL, LDAP Support, Preview, PDF Encryption, Drop Out Color Send, TWAIN Scan, Universal Send (Simultaneous Fax and Scan), Scan-to-Digitally Signed PDF, Searchable PDF and PDF/A, Distributed Scan Management, 25 User Programs, Divide & Send, Image Rotation, SADF/Batch Mode, Mixed Size Originals, Resend

Facsimile Specifications

Circuit	PSTN, PBX
Compatibility	ITU-T (CCITT) G3
Resolution	200 x 200/100 dpi
Compression Method	MH, MR, MMR, JBIG
Scanning Speed (SEF)	B&W: 62 ipm Simplex/27 ipm Duplex (Letter) @ 300 dpi
Modem Speed	33.6 Kbps with auto fallback
Transmission Speed	G3: 3 seconds per page (MMR Compression) G3: 2 seconds per page (JBIG Compression)
SAF Memory	4 MB (Approx. 320 pages)
Max Auto Dials	2,000
Group Dials	100 (max. 500 numbers per group)
Standard Features	One Hour Backup, Detection of Misplaced Document, Double-Check Destination Address, IP Fax (T.38), Internet Fax (T.37), Forward to Email/Folder, Paperless Fax, LAN Fax, LDAP Support, Universal Send (Simultaneous Fax and Scan), Remote Fax, Fax Output Timer

Document Server (Standard)

Maximum Stored Documents	3,000 documents
Maximum Pages per Document	1,000 pages
Password-Protected Folder Management	Up to 200 folders

Security Features

Address Book Encryption, Authentication, Password Encryption, HDD Data Encryption & Overwrite, IP Address Filtering, IP Sec Communications, Kerberos Support, Locked Print, Network Protocol ON/OFF, Quota Setting/Account Limit, Scan-to-Web Mail (SMTP over SSL), Secure Socket Layer (SSL), Secure Shell Encryption (SSH), S/MIME, Transport Layer Security (TSL), User Authentication (Windows, LDAP, Basic, User Code, 802.1x Wired), Unauthorized Copy Prevention (Print), Wireless LAN WEP/WPA

Controller Options

Extended USB Board Type M19	Part # 417566
IEEE 1284 Interface Board Type M19	Part # 417596
Wireless LAN Card Type M24 (IEEE802.11a/b/g/n)	Part # 407863
XPS Direct Print Option Type M24	Part # 408048
DataOverwriteSecurity Unit Type M19	Part # 417499
File Format Converter Type M19	Part # 417508
NFC Card Reader Type Type M24	Part # 407853
OCR Unit Type M13	Part # 417428
Optional Counter Interface Unit Type M12	Part # 417111
Fax Connection Unit Type M24	Part # 407854

Hardware Options

Paper Feed Unit PB1100	Part # 407850
Paper Capacity	500 sheets
Supported Paper Sizes	3.62" x 6.38" – 8.5" x 14"
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64-120 g/m2)
Dimensions (WxDxH)	15" x 16.1" x 4.8" (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Paper Feed Unit PB1100TE (Locking)	Part # 407914
Paper Capacity	500 sheets
Supported Paper Sizes	3.62" x 6.38" – 8.5" x 11"
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64-120 g/m2)
Dimensions (WxDxH)	15" x 16.1" x 4.8" (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Paper Feed Unit PB1100LE (Teflon)	Part # 407915
Paper Capacity	500 sheets
Supported Paper Sizes	3.62" x 6.38" – 8.5" x 14"
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64-120 g/m2)
Dimensions (WxDxH)	15" x 16.1" x 4.8" (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Caster Table Type M24 Part # 407851
Required when three (3) or four (4) optional Paper Feed Units are installed.

Dimensions (WxDxH)	With Stabilizers: 30.6" x 31.8" x 2.5" (778 x 808 x 64 mm) Without Stabilizers: 15" x 16.1" x 2.5" (380 x 410 x 64 mm)
Weight	24.2 lbs. (11 kg)

Tall Cabinet Type 1 Part# 52651
Recommended for the base unit for a floor-standing configuration.

Dimensions (WxDxH)	15" x 16.2" x 20" (381 x 412 x 508 mm)
Weight	22.5 lbs. (10.2 kg)

Medium Cabinet Type J Part# 52641
Recommended when one (1) or two (2) additional Paper Feed Units are added for a floor-standing configuration.

Dimensions (WxDxH)	15" x 16.2" x 10" (381 x 412 x 254 mm)
Weight	13.7 lbs. (6.2 kg)

Consumables & Yields

Black Print Cartridge MP 601 (includes Waste Toner Bottle)	25,000 pages*	Part # 407823
Feed Roller MP 601 (for mainframe)	500,000 pages	Part # 408049
Feed Roller MP 601PB (for PFU)	500,000 pages	Part # 408050

*Declared yield values in accordance with ISO/IEC 19752. Actual yields may vary based on images printed and other factors.

The RICOH MP 501SPFTL ships with a starter Print Cartridge that yields 10,000 pages.

For maximum performance and yield we recommend using genuine Ricoh parts and supplies.

Specifications subject to change without notice.

Warranty

The RICOH MP 501SPFTL is under warranty against defects for a period of one year from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty documents shipped with the product for more details.

RICOH SP 5300DNTL

SYSTEM SPECIFICATIONS

Engine Specifications

RICOH SP 5300DNTL	Part # 408121
Configuration	Desktop
Technology	B&W laser electro-photographic printing
Toner Type	Dry, mono component
Control Panel	4-line LCD
B&W Print Speed (Letter)	SP 5300DNTL: 52 ppm
Maximum Monthly Volume	SP 5300DNTL: 16,600 prints
Duty Cycle	SP 5300DNTL: 250,000 prints
First Print Out Time	6 seconds or less
Warm-up Time	SP 5300DNTL: 21 seconds
Recovery Time from Sleep Mode	19 seconds
Print Resolution	Up to 1200 x 1200 dpi
Standard Paper Capacity	1 x 500-Sheet Tray + 100-Sheet Bypass Tray
Maximum Paper Capacity	2,600 sheets
Standard Output Capacity	500 sheets (LT)
Supported Paper Sizes	Paper Tray: 14″ – 11″ Bypass Tray: 2.76″ x 5.83″ – 8.5″ x 14″ Optional Trays: 3.62″ x 6.38″ – 8.5″ x 14″
Supported Paper Weights	Standard Tray, Optional Trays and when Duplexing: 17-32 lb. Bond/66 lb. Index (64-120 g/m2) Bypass Tray: 16-59 lb. Bond/122 lb. Index (60-220 g/m2)
Supported Paper Types	Plain, Thin, Middle, Thick, Recycled, Colored, Special, Letterhead, Preprinted, Bond, OHP (Transparency)*, Label, Envelopes**
Duplexing	Automatic (standard)
Dimensions (WxDxH)	16.54″ x 16.14″ x 13.58″ (420 x 410 x 345 mm) (mainframe)
Weight	39.6 lbs. (18 kg)
Power Consumption (Operating)	SP 5300DNTL: 688 W
Power Consumption (Sleep Mode)	SP 5300DNTL: 0.60 W
Typical Electricity Consumption*** (TEC)	SP 5300DNTL: 2.7 kWh/week
Power Requirements	120 V, 60 Hz, 12A
ENERGY STAR	Certified (pending)
EPEAT	Silver Rated (pending)

*From Bypass Tray only.
**From Bypass Tray and Optional Paper Trays
***Typical Electricity Consumption by ENERGY STAR program.

Printer Specifications

Processor Speed	1.46 GHz
Memory	2 GB RAM
Hard Disk Drive	320 GB (optional)
Connection Type	Standard: Gigabit Ethernet (1000/100/10BASE-T), USB 2.0 Type A x 2, SD Card Slot x 2 Optional: Wireless LAN IEEE802.11a/b/g/n, Bluetooth, USB 2.0 Type B, IEEE1284, NIC 2 Port (Print Server)
Printer Languages	Standard: PCL5e/6, Genuine Adobe® PostScript®3™, PDF Direct Print Optional: XPS
Font Support	PCL: 45 fonts + 6 Bitmapped fonts + 13 International fonts PostScript3: 136 fonts
Network Protocols	TCP/IP (IPv4, IPv6)
Supported Operating	Windows® Vista/7/8/8.1/10/Server2003/Server 2003R2/Server 2008/Server 2008R2/Server 2012/Server 2012 R2, CPS/XenApp PCL/PS only; Mac OS X (10.7 or later) PS only; UNIX Sun Solaris 9/10, HP-UX 11.x, 11i v2, 11i v3, Red Hat Linux Enterprise V4/V5/V6, SCO OpenServer 5.0.7/6.0, IBM AIX V5L/V5.3/V6.1/V7.1; SAP R/3
Device Management Software/Utilities	Device Software Manager, Web Image Monitor, Enhanced Locked Print NX, FlexRelease NX, Card Authentication Package, Remote Communication Gate Type S, Remote Communication Gate Type A, @Remote Connector NX, Device Manager NX Lite/Accounting/Pro/Enterprise, Printer Driver Packager NX
Mobile Print	RICOH Smart Device Connector, RICOH App for Google Cloud Print, Airprint
Other Print Features	Eco-Night Sensor, PDF Direct Print, Classification Code, Bonjour Support, Windows Active Directory Support, DDNS Support, PCL Resident Font Adoption, Tray Parameter Change from Web Image Monitor, 1200 dpi Support, Universal Driver, XPS Support, WS Printer, Wireless LAN Interface Option, Banner Page Print, Poster Print, WPS Support, Sample/Locked/Hold/Stored Print/Store and Print*, Import/Export of Preference Settings, Centralized Address Book Management

*Hard disk drive option required.

Controller Options

Extended USB Board Type M19	Part # 417566
IEEE 1284 Interface Board Type M19	Part # 417596
Wireless LAN Card Type M24 (IEEE802.11a/b/g/n)	Part # 407863
XPS Direct Print Option Type M24	Part # 408048
Hard Disk Drive Option Type P8 (320 GB)	Part # MX407873RA
VM Card Type P8	Part # 407864

Security Features

Windows, LDAP, 802.1x Wired, Basic and User Code Authentication*, Data Encryption (Address Book, Authentication Password, SSL, S/MIME, IPSec, HDD, SMTP over SSL/TLS, TLS, SSH, Wireless LAN (WEP/WPA/11i)), Network Protocol On/Off, IP Filtering, Mask Type for Copying/Data Security, Unauthorized Copy Prevention, Kerberos support, Quota Setting/Account Limit, HDD Data Overwrite and Encryption*

*Optional hard disk drive required.

Hardware Options

Paper Feed Unit PB1100	Part # 407850
Paper Capacity	500 sheets
Supported Paper Sizes	3.62″ x 6.38″ – 8.5″ x 14″
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64 – 120 g/m2)
Dimensions (WxDxH)	15″ x 16.1″ x 4.8″ (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Paper Feed Unit PB1100TE (Locking)	Part # 407914
Paper Capacity	500 sheets
Supported Paper Sizes	3.62″ x 6.38″ – 8.5″ x 11″
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64-120 g/m2)
Dimensions (WxDxH)	15″ x 16.1″ x 4.8″ (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Paper Feed Unit PB1100LE (Teflon)	Part # 407915
Paper Capacity	500 sheets
Supported Paper Sizes	3.62″ x 6.38″ – 8.5″ x 14″
Supported Paper Weight	17 – 32 lb. Bond/66 lb. Index (64-120 g/m2)
Dimensions (WxDxH)	15″ x 16.1″ x 4.8″ (380 x 410 x 121 mm)
Weight	8.8 lbs. (4 kg)

Caster Table Type M24
Required when the maximum of four (4) optional Paper Feed Units are installed for a floor-standing configuration.

Dimensions (WxDxH)	With Anti-tipper: 30.6″ x 31.8″ x 2.5″ (778 x 808 x 64 mm) Without Anti-tipper: 15″ x 16.1″ x 2.5″ (380 x 410 x 64 mm)
Weight	24.2 lbs. (11 kg)

Tall Cabinet Type I Part # 52651
Recommended when one (1) or two (2) optional Paper Feed Units are installed for a floor-standing configuration.

Dimensions (WxDxH)	15″ x 16.2″ x 20″ (381 x 412 x 508 mm)
Weight	22.5 lbs. (10.5 kg)

Medium Cabinet Type J Part # 52641
Recommended when three (3) optional Paper Feed Units are installed for a floor standing configuration.

Dimensions (WxDxH)	15″ x 16.2″ x 10″ (381 x 412 x 254 mm)
Weight	13.7 lbs. (6.2 kg)

Consumables & Yields

Black Print Cartridge MP 601 (includes Waste Toner Bottle)	25,000 pages*	Part # 407823
Feed Roller MP 601 (for mainframe)	500,000 pages	Part # 408049
Feed Roller MP 601PB (for PFU)	500,000 pages	Part # 408050

*Declared yield values in accordance with ISO/IEC 19752. Actual yields may vary based on images printed and other factors.

The RICOH SP 5300DNTL ships with a starter Print Cartridge that yields 10,000 pages.

For maximum performance and yield we recommend using genuine Ricoh parts and supplies.

Specifications subject to change without notice.

Warranty

The RICOH SP 5300DNTL is under warranty against defects for a period of one year from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty documents shipped with the product for more details.

RICOH
imagine. change.

www.ricoh-usa.com

Ricoh USA, Inc., 70 Valley Stream Parkway, Malvern, PA 19355, 1-800-63-RICOH
©2017. Ricoh USA, Inc. All rights reserved. Ricoh® and the Ricoh logo are registered trademarks of Ricoh Company, Ltd. All other trademarks are the property of their respective owners. The content of this document, and the appearance, features and specifications of Ricoh products and services are subject to change from time to time without notice. Products are shown with optional features. While care has been taken to ensure the accuracy of this information, Ricoh makes no representation or warranties about the accuracy, completeness or adequacy of the information contained herein, and shall not be liable for any errors or omissions in these materials. Actual results will vary depending upon use of the products and services, and the conditions and factors affecting performance. The only warranties for Ricoh products and services are as set forth in the express warranty statements accompanying them.