

# Product Information Guide

IM 370F, IM 460F, and  
IM 460FLT



**RICOH**  
imagine. change.

|                                         |           |
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# Introduction



## About this guide

This product information guide provides you with an overall presentation of the Ricoh black and white multifunction printers (MFPs), IM 370F and IM 460F/FTL. It's a reference tool for sales managers and salespeople who sell these devices.

This handbook includes a description of the new and enhanced features of these devices, key selling points, and a snapshot of market trends.

**Disclaimer:** The information in this product information guide is valid on the date of publication, November 2023.



# Product overview



### Product snapshot

The **IM 370F** and **IM 460F/FTL** are A4 black and white MFPs that provide copy, print, scan, and fax as standard. The **IM 460FTL** is targeted specifically at the healthcare sector, and includes specialized firmware, as well as Teflon-coated tray components optimized for label/wristband printing and a standard locking feature to secure sensitive media (such as prescription blanks in healthcare).

These devices offer high-resolution 1,200 x 1,200 dpi printing and provide fast print speeds up to 37 ppm and 46 ppm for the IM 370F and IM 460F respectively.

The MFPs come with Ricoh's sGW controller and bring some of the versatility of A3 MFPs to a compact A4 form factor, including support for A3 printing, scanning, and faxing via the bypass tray and Single Pass Document Feeder (SPDF).

These devices come standard with a third generation (G3) 7" Smart Operation Panel (SOP), which has been upgraded with a capacitive touchscreen, faster CPU, and Android OS 10 for a smoother and more secure user experience. The SOP provides an intuitive user experience that is common across most of Ricoh's MFP portfolio (both A3 and A4).

The SOP also provides the ideal platform to support solutions software, such as Streamline NX and RICOH Smart Integration apps. The devices also come with useful preinstalled apps and customers can download more directly from the Application Site.

Another highlight is support for RICOH Always Current Technology (ACT), which allows customers to install the latest device functions and security patches to keep their devices up to date.

Lastly, customers in busy environments can add up to three optional paper feed units to give these devices a maximum input capacity of 2,100 sheets.

Up to 46 ppm

A3 capabilities

RICOH Always Current Technology

Third generation  
7" Smart Operation Panel

Max 2,100 sheet capacity



### New and enhanced features

In addition to existing features like high resolution 1,200 x 1,200 dpi output, these new MFPs provide a range of new and enhanced features.

#### Productivity improvements

The IM 370F and IM 460F come with higher print speeds of 37 ppm and 46 ppm compared with the IM 350F (37 ppm) and IM 430F (45 ppm) respectively.

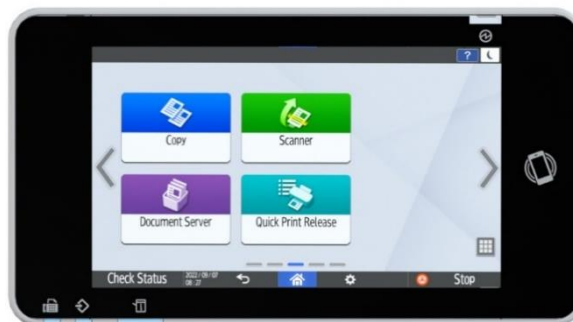
The SPDF, which comes as standard, is also an improvement over the previous models, with a scanning speed of 46 ipm compared with 45.7 ipm in the previous devices.

In terms of paper handling, these devices support A3/DLT scanning, printing, and faxing while the previous devices provided A4/LT capability only.

#### New generation Smart Operation Panel

These devices come with the third generation (G3) 7" Smart Operation Panel that has been upgraded to provide a smoother user experience and common usability with Ricoh A3 MFPs.

In terms of hardware improvements, the G3 Smart Operation Panel comes with a faster processor, capacitive touch panel, more memory (RAM), and Bluetooth 5.2.



Brightness levels, touch sensitivity, and position detection have also been improved to give optimal access to the device's many resources and functions.

Powered by Android OS, Smart Operation Panel provides enhanced security features to protect business-critical documents and data, while new energy saving features reduce the operation panel's power consumption in Sleep Mode by 45%.

There are also new Smart UI apps, such as Smart Document Server, that are easy to use and provide tighter uniformity between the UI and app.

## Latest controller features

Among the latest controller features provided with these devices include the ability for administrators to import/export address book CSV data more easily using Web Image Monitor

Admins can also now use Web Image Monitor to enable/disable or change the validity period of the HTTP Strict Transport Security (HSTS) setting providing greater flexibility whenever HTTP communication is required. In previous devices, HSTS was enabled by default and couldn't be disabled or adjusted.

Other new security-related features include restricting users from printing PostScript or PDF files.

Additionally, these MFPs can accept forwarded communication from the Smart Operation Panel's WiFi interface even when Access Control is enabled. This way, admins can provide flexibility for guest users to print directly from their smart device while keeping the Access Control settings enabled under the network.

These MFPs also support RICOH Always Current Technology that ensures these devices can be kept up to date with latest the basic functions and security updates as they become available.



## Environmental enhancements

These MFPs come with a range of improved features that reduce their impact on the environment while helping our customers achieve their own sustainability goals.



The mainframe of these devices consists of 17% post-consumer recycled materials while the toner bottles are made of 81% recycled plastic. Additionally, the labels on the toner bottles have been replaced with laser engraving and they are no longer packaged in plastic bags.

Furthermore, Ricoh has switched to cardboard material instead of Expanded Polystyrene (EPS) foam and discontinued the use of polyethylene bags in the packaging for the optional paper feed unit.

These sustainable features make these devices more appealing to customers who are looking to be more environmentally responsible.

## Key selling points

This section outlines the key selling points and benefits of these devices.

### Enhanced productivity

**Faster print speeds** compared with previous devices.

**A3 printing and scanning**, from bypass tray and SPDF, respectively, in a compact A4 form factor

**Support for solutions software and RICOH Smart Integration platform** enables customers to add workflow solutions for their specific needs.

**Upgraded SPDF** allows faster scanning of double-sided originals in a single pass.

**Maximum input capacity of 2,100 sheets** with optional paper banks provide longer uninterrupted print runs.

**Total 6 GB of memory (2 GB mainframe + 4 GB Smart Operation Panel)** enables users to power through tasks smoothly.



### New Smart Operation Panel

Powered by **updated Android OS**

**Capacitive panel technology** provides better touch response compared with the pressure-sensitive panel in the previous generation.

**4 GB** of memory (RAM) for faster performance

**Bluetooth 5.2** for stable connection

New Smart UI apps, such as Smart Document Server, provide **uniformity with the user interface**.

Application Site provides **repository of downloadable apps** for the Smart Operation Panel



### Better usability and reliability

**Compact footprint and low noise levels** enable these devices to be installed on office desks to save space.

**Third generation Smart Operation Panel** provides faster and more intuitive multi-touch operation.

**Latest controller features** provide a variety of flexibility benefits for admins and users alike.

**RICOH Always Current Technology** provides an easy way to get the latest features and security updates.

**Copier-based engine** provides robust reliability for better customer peace of mind.

### Improved sustainability features

**17% post-consumer recycled materials** used for the outer mainframe.

Toner bottles are made from **81% recycled plastic**.

**Zero plastic usage** in packaging for the toner bottles and optional paper feed unit.



# Market snapshot



## Market summary

According to research, the decentralization of offices is gaining momentum, leading to a rising demand for a mixture of A3 + A4 devices. It is against this worldwide trend backdrop that the market for mid-to-high range A4 black and white MFPs is expected to increase, in both unit sales as well as Total Document Volume (TDV), despite the effects of COVID-19.

In the 31–44 ppm category, which these new MFPs fall into, a slight decline is forecast with a Compound Annual Growth Rate (CAGR) of -2.8% from 2021 to 2026.

In terms of market share for black and white MFPs up to H1 2020, Ricoh held the number 2 spot with a 22.8% share in the United States and Canada for 31–50 ppm devices. The number 1 spot is occupied by HP with a 23.3% share.

Apart from introducing faster models, our competitors have been gradually adding A3-level features, such as higher paper capacity and solutions support, to their A4 devices in this segment. Most of the competitor models are also desktop devices to target decentralized office deployments or small to medium offices.

Therefore, it is important for us to refresh our offerings with new devices that are the right fit for A3 + A4 mixed proposals for larger accounts, or as central machines for small to medium businesses (SMBs).



## Target markets

These MFPs are targeted at Major Account (MA) customers as a desk-side device thanks to their small footprint, low noise levels, and solutions compatibility similar to A3 devices.

The main aim is to sell these devices as part of a mixed A3 + A4 device fleet proposal.

Ricoh is also positioning these MFPs for small to medium businesses (SMBs) who require small form factor central devices but with fast speeds, high maximum paper capacity, and convenience A3 capabilities.



## Launch objectives

The main launch objectives for the IM 370F and IM 460F are to:

Maximize profit as flagship MFPs in the mid-high A4 black and white segment.

- IM 460F - enhance cost competitiveness in A3 + A4 mix devices after-sales activities.
- IM 370F - increase sales with more compact footprint, upgraded SPDF as standard, and lower Cost Per Page (CPP).

Seize the opportunity to help customers who are looking to replace their A3 devices with A4 MFPs, ahead of our competitors.

# Specifications



## Introduction

This section includes the most important product features and specifications. For example, it lists key differences between these devices and their predecessors, standard and optional configuration, maintenance, print, copy, scan, and fax features.

## What's changed

The new devices provide an upgrade from the previous devices:

| Previous device | New devices |
|-----------------|-------------|
| IM 350F         | IM 370F     |
| IM 430F         | IM 460F     |

### What's changed summary—IM 370F and IM460F vs IM 350F and IM 430F

| Specifications             | Previous devices                            |               | New devices                                 |         |
|----------------------------|---------------------------------------------|---------------|---------------------------------------------|---------|
|                            | IM 350F                                     | IM 430F       | IM 370F                                     | IM 460F |
| Print speed                | 37 ppm                                      | 45 ppm        | 37 ppm                                      | 46 ppm  |
| Document feeder/copy speed | SPDF—45.7 ipm                               | SPDF—45.7 ipm | SPDF—46 ipm                                 |         |
| Footprint                  | 0.214 m <sup>2</sup> / 2.30 ft <sup>2</sup> |               | 0.184 m <sup>2</sup> / 1.98 ft <sup>2</sup> |         |
| Max paper size             | A4                                          | A4            | A3                                          |         |
| Operation panel            | 10.1" Smart Operation Panel                 |               | Third generation 7" Smart Operation Panel   |         |

## Controller and mainframe

| Feature                         |           | Specification                                                                                                                       |
|---------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| Functions                       |           | Copy, print, scan, fax                                                                                                              |
| Printer controller              |           | sGW                                                                                                                                 |
| CPU                             |           | Marvell 88PA6270 1.2GHz                                                                                                             |
| Memory (RAM)                    |           | 6 GB (Mainframe 2 GB + Smart Operation Panel 4 GB)                                                                                  |
| Storage                         |           | eMMC 56 GB                                                                                                                          |
| Network protocols               |           | TCP/IP (IPv4, IPv6)                                                                                                                 |
| Physical dimensions (W x D x H) | Mainframe | 374 x 493 x 640 mm / 14.7" x 19.4" x 25.2"                                                                                          |
|                                 | Maximum   | 504 x 493 x 1,144.3 mm / 19.9" x 19.4" x 45.1" —with optional Paper Feed Unit x 3 + Caster Table + Document Feeder Paper Guide Tray |
| Weight                          |           | 41 kg / 90.2 lb                                                                                                                     |

## Connectivity

| Feature           |                       | Specification                                                                                                  |
|-------------------|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Interfaces        | Mainframe             | 10Base-T/100Base-TX/1000Base-T (Gigabit Ethernet)<br>USB Host Type A—1 port<br>USB Device Type B—1 port        |
|                   | Smart Operation Panel | Bluetooth 5.2<br>USB Host Type A—1 port for USB Flash memory<br>Optional USB Type A—1 port for NFC card reader |
|                   | Optional              | IEEE 802.11a/b/g/n (2.4 GHz, 5 GHz)—Wireless LAN                                                               |
| Network protocols | Standard              | TCP/IP (IPv4, IPv6)                                                                                            |
| MIB support       | Standard              | MIB-II (RFC1213)<br>Host Resources MIB (RFC1514)<br>Printer MIB (RFC1759)<br>Printer Port Monitor MIB          |
|                   | Private               | Ricoh Original MIB                                                                                             |

## Hardware configuration

| Feature                                         | Specification |
|-------------------------------------------------|---------------|
| 500-sheet paper input tray                      | Standard      |
| 100-sheet bypass tray                           | Standard      |
| 50-sheet SPDF                                   | Standard      |
| Duplex unit                                     | Standard      |
| Smart Operation Panel                           | Standard      |
| 250-sheet output tray                           | Standard      |
| 500-sheet Paper Feed Unit PB1200 <sup>1</sup>   | Optional      |
| 500-sheet Paper Feed Unit PB1200TL <sup>1</sup> | Optional      |
| Caster Table Type A6 <sup>2</sup>               | Optional      |
| Medium Cabinet Type A7                          | Optional      |
| High Cabinet Type A8                            | Optional      |
| Document Feeder Paper Guide Tray Type M54       | Optional      |
| Card Reader Cover Type M54                      | Optional      |

<sup>1</sup>—Up to three optional paper banks can be attached to the mainframe. Service installation is required for safety if three paper bank units are installed for desktop use.

<sup>2</sup>—A caster table and service installation is required for safety if three paper bank units are installed for floor use.

## Option compatibility

| If you purchase                            | You must install | You cannot install                             |
|--------------------------------------------|------------------|------------------------------------------------|
| Paper Feed Unit PB1200                     | —                | —                                              |
| Paper Feed Unit PB1200TL                   | —                | —                                              |
| Document Feeder Paper Guide Tray Type M54  | —                | —                                              |
| Caster Table Type A6                       | —                | Medium Cabinet Type A7<br>High Cabinet Type A8 |
| Medium Cabinet Type A7                     | —                | Caster Table Type A6<br>High Cabinet Type A8   |
| High Cabinet Type A8                       | —                | Caster Table Type A6<br>Medium Cabinet Type A7 |
| PostScript3 Unit Type M54                  | —                | —                                              |
| OCR Unit Type M54                          | —                | —                                              |
| IPDS Unit Type M54                         | —                | —                                              |
| Fax Memory Unit Type M54 64MB              | —                | —                                              |
| SSD Option Type M54 256GB                  | —                | HDD Option Type M54 320GB                      |
| HDD Option Type M54 320GB                  | —                | SSD Option Type M54 256GB                      |
| IEEE 802.11a/b/g/n Interface Unit Type M54 | —                | —                                              |
| Unicode Font Package for SAP 1 License     | —                | —                                              |
| Optional Counter Interface Unit Type M12   | —                | —                                              |
| Card Reader Cover Type M54                 | —                | —                                              |
| Ametek/ESP S1 Power Filter                 | —                | Ametek/ESP XG-PCS-15D                          |
| Ametek/ESP XG-PCS-15D                      | —                | Ametek/ESP S1 Power Filter                     |

## Minimum space requirements

| Item  | Specification    |
|-------|------------------|
| Front | 75cm /29.55inch  |
| Left  | 10cm/ 3.94 inch  |
| Right | 10cm / 3.94 inch |
| Rear  | 5cm / 1.97 inch  |

## Copy features

### Copy speeds

| Feature                                                          |            | IM 370F     | IM 460F     |
|------------------------------------------------------------------|------------|-------------|-------------|
| Copy speed—<br>single document,<br>multiple copies, A4/LT<br>LEF | Via platen | 37 cpm      | 46 cpm      |
|                                                                  | Via SPDF   | 37 cpm      | 46 cpm      |
| Copy speed—<br>Multiple documents,<br>single copies, A4/LT LEF   | Via SPDF   | 28 cpm      | 35 cpm      |
| First copy time                                                  | Via platen | 4.7 seconds | 4.1 seconds |
|                                                                  | Via SPDF   | 6.4 seconds | 6.1 seconds |

### Other copy features

| Feature                  |            | Specification                            |
|--------------------------|------------|------------------------------------------|
| Resolution               | Printing   | 600 x 600 dpi                            |
|                          | Scanning   | 300 x 600 dpi—200%<br>600 x 600 dpi—201% |
| Maximum original size    | Via platen | A4/LT                                    |
|                          | Via SPDF   | A3/DLT                                   |
| Color mode               |            | Black and white                          |
| Image density adjustment |            | Automatic, manual—9 levels               |
| Quantity selection       |            | Up to 999 copies                         |
| Greyscale                |            | 256 levels                               |
| Reproduction ratio       |            | 25–200%                                  |

# specifications

| Feature                       |                          | Specification                                                                                                                                                                    |
|-------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zoom range                    |                          | 25%–400% in 1% steps                                                                                                                                                             |
| Book copy                     |                          | Booklet, magazine, layout and booklet                                                                                                                                            |
| Series copy                   |                          | Duplex original to simplex                                                                                                                                                       |
| Combine copy                  |                          | 2, 4, or 8 pages into 1 simplex sheet<br>1, 2, or 4 duplex pages into 1 simplex sheet<br>2, 4, 8, or 16 pages into 1 duplex sheet<br>2, 4, or 8 duplex pages into 1 duplex sheet |
| Shift/erase/margin adjustment | Centring                 | Supported                                                                                                                                                                        |
|                               | Cornering                | Supported                                                                                                                                                                        |
|                               | Margin adjustment        | Not supported                                                                                                                                                                    |
|                               | Scan position adjustment | Not supported                                                                                                                                                                    |
|                               | Creep adjustment         | Not supported                                                                                                                                                                    |
|                               | Erase centre             | Not supported                                                                                                                                                                    |
|                               | Erase border             | Not supported                                                                                                                                                                    |
| Copy modes                    |                          | Auto text and photo separation (printed, glossy, copied)—default                                                                                                                 |
| Paper types                   |                          | Plain paper (type not displayed), recycled paper, special paper 1–2, color paper, letterhead, pre-printed paper, OHP, label paper, envelope                                      |
| Paper thickness               |                          | Thin paper, plain paper 1, plain paper 2, middle thick, thick paper 1, thick paper 2, thick paper 3                                                                              |
| Duplex copy                   |                          | Supported                                                                                                                                                                        |
| Electronic sorting            | Without shift sort       | Supported                                                                                                                                                                        |
|                               | Rotate sort              | Not supported                                                                                                                                                                    |
|                               | Shift sort               | Supported                                                                                                                                                                        |

# specifications

| Feature                  |                                  | Specification                                                  |
|--------------------------|----------------------------------|----------------------------------------------------------------|
| Image adjustment         | Sharpen/soften                   | 7 levels                                                       |
|                          | Contrast                         | 9 levels                                                       |
|                          | Background density adjustment    | 9 levels                                                       |
| Image creation           |                                  | Repeat, double copy, positive/negative                         |
| Job programs             |                                  | 25 programs; default 1 program                                 |
| Job presets              |                                  | 8 jobs                                                         |
| ID card copy             |                                  | Supported                                                      |
| Stamps                   | Preset stamp                     | 8 stamps                                                       |
|                          | User stamp                       | 2 stamps                                                       |
|                          | Date stamp                       | 4 styles                                                       |
|                          | Page numbering                   | 5 styles                                                       |
|                          | Bates stamping                   | 6 styles                                                       |
|                          | Printing copy prevention pattern | Supported                                                      |
| Other supported features |                                  | Sample copy, Paper selection, Auto tray switch, Interrupt copy |

## Print features

| Feature                   |         | IM 370F     | IM 460F     |
|---------------------------|---------|-------------|-------------|
| Print speed—<br>A4/LT LEF | Simplex | 37 ppm      | 46 ppm      |
|                           | Duplex  | 28 ppm      | 35 ppm      |
| First print time          |         | 3.8 seconds | 3.3 seconds |

# specifications

| Feature                              |                                     | IM 370F                                                            | IM 460F |
|--------------------------------------|-------------------------------------|--------------------------------------------------------------------|---------|
| Printing process                     |                                     | Dry electrostatic transfer system                                  |         |
| Development                          |                                     | Dry two-component magnetic brush                                   |         |
| Fusing system                        |                                     | QSU-DH                                                             |         |
| Maximum imageable area               | Default                             | 297 x 432 mm / 11.7" x 17.0"                                       |         |
|                                      | Standard tray                       | 297 x 216 mm / 11.7" x 8.5"                                        |         |
|                                      | Bypass tray                         | 297 x 900 mm / 11.7" x 35.4"                                       |         |
| Maximum print resolution             |                                     | 1,200 x 1,200 dpi                                                  |         |
| Printer description languages (PDLs) | Standard                            | PostScript 3 emulation, PDF Direct emulation, PCL, MediaPrint TIFF |         |
|                                      | Optional                            | Genuine Adobe PostScript 3, IPDS                                   |         |
| Printer drivers                      |                                     | PCL 5e, PCL 6, PostScript 3                                        |         |
| Duplex printing                      |                                     | Standard                                                           |         |
| Printer driver resolution            | PCL 5e                              | 300 x 300 dpi, 600 x 600 dpi—1-bit                                 |         |
|                                      | PCL 6                               | 600 x 600 dpi, 1,200 x 1,200 dpi—1-bit                             |         |
|                                      | PostScript 3                        | 300 x 300 dpi, 600 x 600 dpi, 1,200 x 1,200 dpi—1-bit              |         |
|                                      | IPDS                                | 300 x 300 dpi, 600 x 600 dpi—1-bit                                 |         |
| Fonts                                | PCL, PostScript 3 emulation         | 80 Roman fonts, 13 international fonts                             |         |
|                                      | Genuine Adobe PostScript 3—optional | 136 Roman fonts                                                    |         |
|                                      | IPDS—optional                       | 108 Roman fonts                                                    |         |
| Print from USB (Media Direct Print)  |                                     | Supported                                                          |         |

# specifications

| Feature                  | IM 370F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IM 460F |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Other supported features | Sample print, Locked print, Hold print, Scheduled print, Stored print, Store and print, PDF Direct print, Mail to Print, Classification codes, Bonjour, Windows Active Directory support, DDNS, PCL resident font adoption, Tray parameter change from Web Image Monitor, Universal printer driver, XPS support, WS printer, Wireless LAN interface option, Banner page print (Job sheet print), Auto job promotion, AirPrint, Poster print, Job spool, Sub paper size, Extend A4 width |         |

## Printer driver features

| Feature                       | PCL 5e           | PCL 6            | PostScript 3      |                         |
|-------------------------------|------------------|------------------|-------------------|-------------------------|
|                               |                  |                  | Windows 8.1/10/11 | Mac OS X 10.15 or later |
| Send to job binding           | No               | No               | No                | No                      |
| Send to document server       | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Sample print                  | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Locked print                  | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Hold print                    | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Stored print                  | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Stored print (shared)         | Yes              | Yes              | No                | No                      |
| Store and print               | Yes              | Yes              | Yes               | Yes <sup>2</sup>        |
| Store and print (shared)      | Yes              | Yes              | No                | No                      |
| Reduce/enlarge (zoom/scaling) | Yes              | Yes              | Yes               | Yes                     |
| Reduce/enlarge (centring)     | Yes <sup>1</sup> | Yes <sup>1</sup> | No                | No                      |
| Fit to paper size             | Yes              | Yes              | Yes               | Yes                     |
| Unauthorized copy control     | No               | Yes              | Yes               | Yes                     |
| Layout (N-up, page per sheet) | Yes              | Yes              | Yes               | Yes                     |

# specifications

| Feature                   | PCL 5e | PCL 6 | PostScript 3      |                         |
|---------------------------|--------|-------|-------------------|-------------------------|
|                           |        |       | Windows 8.1/10/11 | Mac OS X 10.15 or later |
| Poster                    | No     | Yes   | No                | No                      |
| Duplex                    | Yes    | Yes   | Yes               | Yes                     |
| Booklet 1                 | No     | No    | No                | No                      |
| Booklet 2 (magazine)      | Yes    | Yes   | Yes               | Yes                     |
| Non-reduction booklet     | No     | No    | Yes               | No                      |
| Watermark                 | Yes    | Yes   | Yes               | Yes                     |
| Overlay                   | No     | No    | No                | No                      |
| Header/footer             | No     | Yes   | Yes               | No                      |
| Adjust image position     | No     | Yes   | No                | No                      |
| Binding margins           | No     | No    | No                | No                      |
| Collate                   | Yes    | Yes   | Yes               | Yes                     |
| Punch                     | No     | No    | No                | No                      |
| Staple                    | No     | No    | No                | No                      |
| Cover sheet (front cover) | No     | Yes   | Yes               | No                      |
| Front and back cover      | No     | Yes   | Yes               | No                      |
| Slip sheet                | No     | Yes   | Yes               | No                      |
| Chaptering                | No     | Yes   | Yes               | No                      |
| Rotate by 180 degrees     | Yes    | Yes   | Yes               | Yes                     |
| Reverse order print       | Yes    | Yes   | Yes               | Yes                     |
| Do not print blank pages  | No     | Yes   | No                | No                      |
| Dithering                 | No     | No    | Yes               | Yes                     |

# specifications

| Feature                            | PCL 5e | PCL 6 | PostScript 3      |                         |
|------------------------------------|--------|-------|-------------------|-------------------------|
|                                    |        |       | Windows 8.1/10/11 | Mac OS X 10.15 or later |
| Toner Saving                       | No     | Yes   | Yes               | Yes                     |
| Black Over Print                   | No     | No    | No                | No                      |
| CLP color simulation               | No     | No    | No                | No                      |
| Print priority setting: Quality    | No     | Yes   | No                | No                      |
| Print priority setting: Speed      | No     | Yes   | No                | No                      |
| Print priority setting: High speed | No     | No    | No                | No                      |
| User ID                            | Yes    | Yes   | Yes               | Yes                     |
| User code                          | Yes    | Yes   | Yes               | Yes                     |
| User authentication                | Yes    | Yes   | Yes               | Yes                     |
| Encryption/encoding                | Yes    | Yes   | Yes               | No                      |
| Mirror image print                 | No     | No    | Yes               | No                      |
| Negative image print               | No     | No    | Yes               | No                      |
| Edge-to-edge print                 | No     | Yes   | Yes               | Yes                     |
| Limitation setting                 | No     | No    | No                | No                      |
| Classification code (Billing code) | Yes    | Yes   | No                | No                      |

Yes—supported; No—Not supported

<sup>1</sup>—Centring cannot be selected from the PCL drivers, however when using the Reduce/enlarge (Zoom/scaling) feature, the output is automatically centred with the PCL's original centring function

<sup>2</sup>—If HDD is not installed, this function can be selected from the PS for Mac driver, but the print job will be cancelled when printing with this function

## Scan features

| Feature                                       |                 | Specification                                                                                                                                                                                                                                                  |
|-----------------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scanning process                              |                 | One-dimensional solid scanning through CIS                                                                                                                                                                                                                     |
| Scan speed—via SPDF, A4 LEF, 200 dpi, 300 dpi | Simplex         | 46 ipm                                                                                                                                                                                                                                                         |
|                                               | Duplex          | 92 ipm                                                                                                                                                                                                                                                         |
| Scan methods                                  |                 | Scan to USB, Scan to email, Scan to folder (SMB, FTP), Scan to URL, Scan to PDF/A, Scan to Searchable PDF (embedded), Scan to Digitally Signed PDF<br><b>Note:</b> Optional OCR unit required for Scan to searchable PDF                                       |
| Color scanning                                |                 | Standard                                                                                                                                                                                                                                                       |
| TWAIN scanning                                |                 | Supported                                                                                                                                                                                                                                                      |
| Scan resolution                               |                 | 100 dpi, 200 dpi (default), 300 dpi, 400 dpi, 600 dpi, 1,200 dpi<br><b>Note:</b> 1,200 dpi is only supported with TWAIN scanning                                                                                                                               |
| Automatic size detection                      | Via platen      | A3 SEF, B4 SEF, A4 SEF/LEF, B5 SEF/LEF, A5 SEF/LEF<br><b>Note:</b> SP mode adjustment is required for A5 SEF/LEF                                                                                                                                               |
|                                               | Via SPDF        | A3 SEF, B4 SEF, A4 SEF/LEF, B5 SEF/LEF, A5 SEF/LEF, B6 SEF/LEF, 8.5" x 13", 8.25" x 13", 8" x 13", 267 x 390 mm, 195 x 267 mm SEF/LEF<br><b>Note:</b> SP mode adjustment is required for 8.5" x 13", 8.25" x 13", 8" x 13", 267 x 390 mm, 195 x 267 mm SEF/LEF |
| Scan area                                     | Main scan       | 297 mm / 11.7"                                                                                                                                                                                                                                                 |
|                                               | Sub-scan        | 432 mm / 17.0"                                                                                                                                                                                                                                                 |
| sRGB support                                  |                 | Standard                                                                                                                                                                                                                                                       |
| Scanner compression methods                   | Black and white | MH, MR, MMR                                                                                                                                                                                                                                                    |
|                                               | Color           | JPEG                                                                                                                                                                                                                                                           |
| Scan mode                                     | Black and white | Text/line art, text, text/photo, photo, greyscale                                                                                                                                                                                                              |
|                                               | Color           | Text/photo, glossy photo, Auto Color Select                                                                                                                                                                                                                    |
| Scanned file naming                           |                 | Supported—with reference number setting, for example, SCAN0001                                                                                                                                                                                                 |
| Image density adjustment                      |                 | 9 levels                                                                                                                                                                                                                                                       |

# specifications

| Feature                  |                              |                 | Specification                                                                                                                                                                                                   |
|--------------------------|------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan to file types       | Single- and multi-page TIFF  | Compression On  | Black and white 1-bit—MH, MR, MMR                                                                                                                                                                               |
|                          |                              | Compression Off | Black and white 1 bit greyscale, full color                                                                                                                                                                     |
|                          | Single-page JPEG             | Compression On  | Black and white greyscale or full color JPEG                                                                                                                                                                    |
|                          |                              | Compression Off | Black and white 1 bit greyscale, full color                                                                                                                                                                     |
|                          | Single- and multi-page PDF   | Compression On  | Black and white 1-bit—MH, MR, MMR<br>Greyscale or full color JPEG                                                                                                                                               |
|                          |                              | Compression Off | Black and white 1-bit, greyscale, full color JPEG                                                                                                                                                               |
|                          | Single- and multi-page PDF/A | Compression On  | Black and white 1-bit—MH, MR, MMR, greyscale or full color JPEG                                                                                                                                                 |
|                          |                              | Compression Off | Black and white 1-bit, greyscale, full color                                                                                                                                                                    |
| Other supported features |                              |                 | Image rotation, SADF/batch mode, Mixed size mode, Reduce/enlarge scanning, LDAP support, Preview before transmission, Encrypted PDF transmission, Drop-out color send, Universal send—simultaneous fax and scan |

## Scan to email

| Feature                          |                                                  | Specification                                         |
|----------------------------------|--------------------------------------------------|-------------------------------------------------------|
| Protocols                        |                                                  | SMTP and SMTPS                                        |
| Authentication                   |                                                  | SMTP authentication, POP before SMTP authentication   |
| Scan resolution                  |                                                  | 100 dpi, 200 dpi (default), 300 dpi, 400 dpi, 600 dpi |
| Scan to email size               | With restriction                                 | 44,300 KB                                             |
|                                  | Without restriction                              | 1.55 MB                                               |
| Maximum email addresses per send | From eMMC                                        | 500                                                   |
|                                  | Direct input                                     | 100                                                   |
|                                  | via LDAP                                         | 100                                                   |
| Email addresses stored in eMMC   | Maximum email addresses                          | 2,000                                                 |
|                                  | Maximum registered group addresses               | 500                                                   |
|                                  | Maintain email addresses                         | Direct input on operation panel and Web Image Monitor |
|                                  | Search method                                    | By name and email address                             |
|                                  | Input of destination e-mail address via soft key | Supported                                             |
| Body message                     | Manual input                                     | Supported                                             |
|                                  | User pre-registered                              | Supported                                             |
|                                  | Preset message                                   | Supported                                             |
| Input subject                    | Manual input                                     | Supported                                             |
|                                  | User pre-registered                              | Supported                                             |
|                                  | Preset subject                                   | Supported                                             |
| Input file name                  |                                                  | Supported                                             |

# specifications

| Feature                   | Specification                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan to email file types  | TIFF, JPEG, PDF, PDF-A, High Compression PDF, Encrypted PDF, Searchable PDF<br><b>Note:</b> Optional OCR unit required for Scan to Searchable PDF. |
| LDAP search               | Supported                                                                                                                                          |
| Simultaneous transmission | 500                                                                                                                                                |
| Attention— To, Cc, Bcc    | 500                                                                                                                                                |
| Program registration      | 25                                                                                                                                                 |
| Divide and send           | Supported—if the file size exceeds the maximum size                                                                                                |
| Resend                    | Supported                                                                                                                                          |

## Scan to folder

| Feature                                 |                                     | Specification                                                                         |
|-----------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|
| Protocols                               |                                     | SMB, FTP                                                                              |
| Security                                |                                     | Client folder logon, encryption of logon name and password during transmission        |
| Scan resolution                         |                                     | 100 dpi, 200 dpi (default), 300 dpi, 400 dpi, 600 dpi                                 |
| Client folder addressees stored in eMMC | Maximum registered folder addresses | 2,000                                                                                 |
|                                         | Maintain folder addresses           | Direct input on operation panel, Web Image Monitor, or Smart Device Monitor for Admin |
| Search for client folders               |                                     | Supported                                                                             |
| Homefolder over LDAP                    |                                     | Supported                                                                             |
| Maximum client folders/PCs per send     |                                     | 50                                                                                    |
| Simultaneous transmission               |                                     | Maximum 50 destinations                                                               |
| Maximum group addresses                 |                                     | 50                                                                                    |
| Input file name                         |                                     | Supported                                                                             |
| Input subject                           |                                     | Supported                                                                             |
| Scan to file size                       | Default                             | 1.55 MB                                                                               |

## specifications

| Feature                                                                    |                                  | Specification |
|----------------------------------------------------------------------------|----------------------------------|---------------|
|                                                                            | When combined with Scan to email | 1.55 MB       |
| Divide the file in Scan to email if the file size exceeds the maximum size |                                  | Supported     |

# specifications

| Feature                   | Specification                                                                                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan to folder file types | Searchable PDF, single page JPEG, single page PDF, single page PDF/A, single page TIFF, single page high compression PDF, searchable PDF, multi-page multi page PDF/A, multi-page TIFF, multi-page high compression PDF |
| Program registration      | Up to 25 programs                                                                                                                                                                                                       |
| Resend                    | Supported                                                                                                                                                                                                               |

## TWAIN scanning

| Feature                             | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Scan mode                           | Standard, Photo, OCR, Filing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Scan speed—A4 LEF, 200 dpi, 300 dpi | Simplex<br>46 ipm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                     | Duplex<br>92 ipm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Scan resolution                     | 100–1,200 dpi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Image adjustment                    | Supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Endorse                             | Date, Page number, Text                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Supported operating systems         | Windows Server 2012 Foundation, Windows Server 2012 Essentials, Windows Server 2012 Standard, Windows 8.1, Windows 8.1 Pro, Windows 8.1 Enterprise Windows Server 2012 R2 Foundation, Windows Server 2012 R2 Essentials, Windows Server 2012 R2 Standard, Windows 10 Home, Windows 10 Pro, Windows 10 Pro for Workstations, Windows 10 Enterprise, Windows 10 Education, Windows Server 2016 Essentials, Windows Server 2016 Standard, Windows Server 2016 Datacenter, Windows Server 2016 MultiPoint Premium Server, Windows Server 2019 Essentials, Windows Server 2019 Standard, Windows Server 2019 Datacenter, Windows 11 Home, Windows 11 Pro, Windows 11 Enterprise, Windows 11 Education, Windows 11 Pro Education, Windows 11 Pro for Workstations, Windows Server 2022 Datacenter Azure Edition, Windows Server 2022 Standard, Windows Server 2022 Datacenter |

## Fax features

| Feature                     |                          | Specification                                                                                                                                          |
|-----------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fax types                   |                          | G3 fax, Internet fax, IP fax, LAN-Fax, Paperless fax, Direct SMTP fax                                                                                  |
| Fax circuit                 |                          | PSTN, PBX                                                                                                                                              |
| Fax compatibility           |                          | ITU-T (CCITT), G3                                                                                                                                      |
| Fax scanning speed—via SPDF | A4/LT SEF                | 28 spm                                                                                                                                                 |
|                             | A4/LT LEF image rotation | 46 spm                                                                                                                                                 |
| Fax modem speed             |                          | 2,400 bps–33.6 Kbps—G3, standard with automatic shift down                                                                                             |
| Fax compression methods     |                          | MH, MR, MMR                                                                                                                                            |
| Fax resolution              |                          | 200 x 100 dpi, 8 x 3.85 lines/mm—Standard Mode<br>200 x 200 dpi, 8 x 7.7 lines/mm—Detail Mode<br>8 x 15.4 lines/mm, 16 x 15.4 lines/mm—Super Fine Mode |
| G3 fax transmission speed   |                          | Approximately 3 seconds                                                                                                                                |
| Page memory size            | Standard                 | 8 MB                                                                                                                                                   |
|                             | Optional SAF memory      | 16 MB                                                                                                                                                  |
| SAF memory size             | Standard                 | 4 MB—approximately 320 pages                                                                                                                           |
|                             | Optional memory          | 60 MB—approximately 4,800 pages                                                                                                                        |
| Fax memory backup           |                          | 1 hour                                                                                                                                                 |
| Quick dials                 |                          | 2,000 numbers                                                                                                                                          |
| Group dials                 |                          | 100 groups, 500 numbers per group                                                                                                                      |
| Programmable numbers        |                          | 100 numbers                                                                                                                                            |
| User codes                  |                          | 1,000 user codes                                                                                                                                       |

# specifications

| Feature                  |              | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fax forward to folder    |              | With email notification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Paperless fax            |              | With email notification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Remote fax               |              | Supported with optional Fax connection unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Universal transmission   |              | Simultaneous transmission of fax and scan jobs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Forward to email         |              | G3 fax, Internet fax, from special senders, forward to designated receivers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Fax modes                | Transmission | Immediate, Parallel memory, Memory, Pulse/tone selection, Pause, Serial broadcasting (500 number), Preview before transmission, Display destination prior to transmission, Send later, Error correction Mode, Page retransmission, Forwarding, Image rotation transmission, Closed network, Double sided                                                                                                                                                                                                                                                         |
|                          | Reception    | Automatic, Manual, Substitute, Authorized, Multi-copy, Closed network, Time printing, Night timer/Weekly timer, 2-in-1, Duplex                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Other supported features |              | Detection of misplaced document, Double check of destination address to prevent incorrect transmission, LAN-Fax with cover sheet editor, LDAP support to search fax addresses, Document server stored sending, Fax output timer, Smoothing, Transmitter Terminal Identification (TTI)/Remote Terminal Identification (RTI), Called Subscriber Identification (CSI), Redial, Direct fax number entry, Dual access, Page counter, Auto reduction, Memory lock ID code, Sender ID (SID) code, Remaining memory indicator, Clock adjustment, User parameter settings |

## Internet fax features

| Feature                 |          | Specification                                     |
|-------------------------|----------|---------------------------------------------------|
| Communication protocols |          | IMAP4, POP, SMTP                                  |
| Authentication          |          | SMTP-AUTH, POP before SMTP                        |
| Network interfaces      | Standard | 10Base-T/100Base-Tx/1000Base-T (Gigabit Ethernet) |
|                         | Optional | IEEE 802.11a/b/g/n (Wireless LAN)                 |
| Scan line density       | Standard | 200 x 100 dpi                                     |
|                         | Detail   | 200 x 200 dpi                                     |

# specifications

| Feature                                    | Specification                                                                                     |
|--------------------------------------------|---------------------------------------------------------------------------------------------------|
| Email send and receive                     | Supported                                                                                         |
| Number of addresses                        | 2,000                                                                                             |
| Input of email addresses                   | Via operation panel, Web Image Monitor, or Smart Device Monitor for Admin                         |
| Maximum original size                      | A3/DLT                                                                                            |
| Number of selectable addresses at one time | 500                                                                                               |
| Destination combinations                   | G3 Fax, PC, Internet Fax, IP Fax                                                                  |
| Email format                               | Single- and multi-part, MIME conversion<br>TIFF-F (MH, MR, MMR compression)—attached file formats |

## LAN-Fax features

| Feature                                 |                 | Specification                                                                                                                                                                                                                                |
|-----------------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution                              | Standard Mode   | 200 x 100 dpi, 8 x 3.85 lines/mm                                                                                                                                                                                                             |
|                                         | Detail Mode     | 200 x 200 dpi, 8 x 7.7 lines/mm                                                                                                                                                                                                              |
|                                         | Super Fine Mode | 8 x 15.4 lines/mm, 16 x 15.4 lines/mm                                                                                                                                                                                                        |
| Supported paper sizes                   |                 | A3, A4, B4 JIS, Legal, Letter                                                                                                                                                                                                                |
| Greyscale                               |                 | Supported                                                                                                                                                                                                                                    |
| Number of selectable addresses per send |                 | 500                                                                                                                                                                                                                                          |
| Number of addresses                     |                 | 2,000                                                                                                                                                                                                                                        |
| LAN-Fax editor supported languages      |                 | English, German, French, Italian, Spanish, Dutch, Swedish, Norwegian, Danish, Finnish, Hungarian, Czech, Polish, Portuguese, Russian, Korean, Traditional Chinese, Simplified Chinese, Catalan, Turkish, Brazilian Portuguese, Greek, Slovak |

# specifications

| Feature                     | Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supported operating systems | Windows Server 2012 Foundation, Windows Server 2012 Essentials, Windows Server 2012 Standard, Windows 8.1, Windows 8.1 Pro, Windows 8.1 Enterprise Windows Server 2012 R2 Foundation, Windows Server 2012 R2 Essentials, Windows Server 2012 R2 Standard, Windows 10 Home, Windows 10 Pro, Windows 10 Pro for Workstations, Windows 10 Enterprise, Windows 10 Education, Windows Server 2016 Essentials, Windows Server 2016 Standard, Windows Server 2016 Datacenter, Windows Server 2016 MultiPoint Premium Server, Windows Server 2019 Essentials, Windows Server 2019 Standard, Windows Server 2019 Datacenter, Windows 11 Home, Windows 11 Pro, Windows 11 Enterprise, Windows 11 Education, Windows 11 Pro Education, Windows 11 Pro for Workstations, Windows Server 2022 Datacenter Azure Edition, Windows Server 2022 Standard, Windows Server 2022 Datacenter |

## IP fax features

| Feature                           |               | Specification                                                |
|-----------------------------------|---------------|--------------------------------------------------------------|
| Network interfaces                | Standard      | 10Base-T/100Base-Tx/1000Base-T (Gigabit Ethernet)            |
|                                   | Optional      | IEEE 802.11a/b/g/n (Wireless LAN)                            |
| Communication protocols           |               | T.38 Annex, TCP/IP, UDP/IP, SIP (RFC3261 compliant), H.323v2 |
| Compatible devices                |               | ITU-T (CCITT) G3                                             |
| Maximum original size             |               | A3 / DLT                                                     |
| Maximum original scanning size    | Standard      | A3, 297 x 432 mm / 11" x 17"                                 |
|                                   | Custom        | 297 x 1,200 mm / 11" x 47.2"                                 |
| Scan line density                 | Standard Mode | 200 x 100 dpi—8 x 3.85 lines/mm                              |
|                                   | Detail mode   | 200 x 200 dpi—8 x 7.7 lines/mm                               |
| IP fax transmission and reception |               | Supported                                                    |

## Document server features

| Feature                        | Specification                                                             |
|--------------------------------|---------------------------------------------------------------------------|
| Maximum stored documents       | 3,000                                                                     |
| Maximum pages per document     | 2,000                                                                     |
| Maximum pages of all documents | 9,000                                                                     |
| Maximum storage period         | 1–96 hours or 1–180 days, or no limit                                     |
| Other supported features       | Folder management with password, Login/Logout button, SMC report printout |

## Reliability targets

| Target                           | IM 370F                               | IM 460F      |
|----------------------------------|---------------------------------------|--------------|
| Average print volume (per month) | 1,700 sheets                          | 2,400 sheets |
| Maximum print volume (per month) | 10,000 sheets                         |              |
| Duty cycle                       | 150,000 sheets                        |              |
| Machine life                     | 600,000 sheets or 5 years (60 months) |              |

## Consumables

| Consumable                              | IM 370F | IM 460F |
|-----------------------------------------|---------|---------|
| Standard toner cartridge <sup>1</sup>   | 13,500  |         |
| High-yield toner cartridge <sup>1</sup> | —       | 22,000  |
| Waste toner bottle <sup>2</sup>         | 50,000  |         |

<sup>1</sup>—Toner yield measured in accordance with ISO/IEC 19752.

<sup>2</sup>—Waste toner bottle yield based on 3 pages/job and 6% coverage on 8.5"x11" paper.

## Security features

| Security need                            | Solution                                                                                                                                                                                                                             |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prevent unauthorized access to device    | User authentication—Windows and LDAP via Kerberos, Basic, User Code<br>802.1x wired authentication<br>Wireless LAN security (WEP, WPA2, )<br>Quota setting<br>WiFi Protected Setup (WPS) support                                     |
| Prevent unauthorized access to network   | IP filtering—access control<br>IPsec communication<br>Network protocol on/off<br>SNMPv3 support<br>Transport Layer Security (TLS 1.3)                                                                                                |
| Protect confidential information         | Authentication password encryption<br>SMTP over SSL communication<br>S/MIME<br>eMMC encryption<br>Compulsory security stamp<br>Unauthorized copy prevention—copy and print<br>Printing copy prevention pattern<br>Copy data security |
| Prevent leaking of remaining data on HDD | Data Overwrite Security System (DOSS)—optional HDD unit required                                                                                                                                                                     |

## Paper handling

Refer to the *Hardware configuration* section for option compatibility.

### Paper capacity

| Feature               | Specification | A4/LT                                                                         |
|-----------------------|---------------|-------------------------------------------------------------------------------|
| Paper input capacity  | Standard      | 600 sheets—standard tray + bypass tray                                        |
|                       | Maximum       | 2,100 sheets—standard tray + bypass tray + maximum 3 x Paper Feed Unit PB1200 |
| Paper output capacity |               | 250 sheets                                                                    |

**Note:** Paper capacity is measured using 80 g/m<sup>2</sup> paper.

### Paper handling configuration

| Standard input            | Capacity   |
|---------------------------|------------|
| Standard paper input tray | 500 sheets |
| Bypass tray               | 100 sheets |
| Duplex unit               | —          |
| SPDF                      | 50 sheets  |
| Optional input            | Capacity   |
| Paper Feed Unit PB1200    | 500 sheets |
| Paper Feed Unit PB1200TL  | 500 sheets |
| Standard output           | Capacity   |
| Output tray               | 250 sheets |

## Standard paper input

| 500-sheet standard paper input tray |                          |                         |
|-------------------------------------|--------------------------|-------------------------|
| Paper capacity                      |                          | 500 sheets              |
| Paper size                          |                          | A4 LEF - A6 SEF         |
| Paper weight                        |                          | 60–162 g/m <sup>2</sup> |
| Bypass tray                         |                          |                         |
| Paper capacity                      |                          | 100 sheets              |
| Paper size                          |                          | A4 LEF–A6 SEF, Envelope |
| Paper weight                        |                          | 52–216 g/m <sup>2</sup> |
| Duplex unit                         |                          |                         |
| Paper weight                        |                          | 52–162 g/m <sup>2</sup> |
| SPDF                                |                          |                         |
| Stack capacity                      | 80 g/m <sup>2</sup>      | 50 sheets               |
|                                     | Over 80 g/m <sup>2</sup> | 20 sheets               |
| Original paper weight               |                          | 52–128 g/m <sup>2</sup> |

## Optional paper input

| Paper Feed Unit PB1200/PB1200L  |                                               |
|---------------------------------|-----------------------------------------------|
| Paper capacity                  | 500 sheets                                    |
| Paper size                      | A4 LEF–A6 SEF                                 |
| Paper weight                    | 60–162 g/m <sup>2</sup>                       |
| Physical dimensions (W x D x H) | 374 x 493 x 124 mm / 14.7" x 19.4" x 4.9"     |
| Weight                          | 8 kg / 17.6 lb                                |
| Power consumption               | 17W/19W                                       |
| Caster Table Type A6            |                                               |
| Physical dimensions (W x D x H) | 374 x 493 x 84 mm / 14.72" x 19.41" x 3.31"   |
| Medium Cabinet Type A7          |                                               |
| Physical dimensions (W x D x H) | 374 x 493 x 250 mm / 14.72" x 19.41" x 9.84"  |
| High Cabinet Type A8            |                                               |
| Physical dimensions (W x D x H) | 374 x 493 x 374 mm / 14.72" x 19.41" x 14.72" |

## Standard paper output

| 250-sheet paper output tray |                    |            |
|-----------------------------|--------------------|------------|
| Paper capacity              | A4 LEF or smaller  | 250 sheets |
|                             | Larger than A4 LEF | 100 sheets |

## Supported environments

| Windows                                       | Edition                   | PCL 5e | PCL 6<br>PostScript 3 |
|-----------------------------------------------|---------------------------|--------|-----------------------|
| Windows 8.1                                   | Windows 8.1               | Yes    | Yes                   |
|                                               | Pro                       | Yes    | Yes                   |
|                                               | Enterprise                | Yes    | Yes                   |
| Windows Server 2012<br>Windows Server 2012 R2 | Foundation                | Yes    | Yes                   |
|                                               | Essentials                | Yes    | Yes                   |
|                                               | Standard                  | Yes    | Yes                   |
| Windows 10                                    | Home                      | Yes    | Yes                   |
|                                               | Pro                       | Yes    | Yes                   |
|                                               | Enterprise                | Yes    | Yes                   |
|                                               | Education                 | Yes    | Yes                   |
| Windows Server 2019                           | Essentials                | Yes    | Yes                   |
|                                               | Standard                  | Yes    | Yes                   |
|                                               | Datacenter                | Yes    | Yes                   |
| Windows 11                                    | Home                      | Yes    | Yes                   |
|                                               | Pro                       | Yes    | Yes                   |
|                                               | Pro Education             | Yes    | Yes                   |
|                                               | Pro for Workstations      | Yes    | Yes                   |
|                                               | Enterprise                | Yes    | Yes                   |
|                                               | Education                 | Yes    | Yes                   |
| Windows Server 2022                           | Standard                  | Yes    | Yes                   |
|                                               | Datacenter                | Yes    | Yes                   |
|                                               | Datacenter: Azure Edition | Yes    | Yes                   |

# specifications

| Point and Print                                                                                                                                        | Client                            | PCL 5e | PCL 6<br>PostScript 3       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------|-----------------------------|
| Windows 8.1<br>Windows Server 2012<br>Windows Server 2012 R2<br>Windows 10<br>Windows Server 2016<br>Windows 2019<br>Windows 11<br>Windows Server 2022 | Windows 8.1                       | Yes    | Yes                         |
|                                                                                                                                                        | Windows 10                        | Yes    | Yes                         |
|                                                                                                                                                        | Windows 11                        | Yes    | Yes                         |
|                                                                                                                                                        |                                   |        |                             |
|                                                                                                                                                        |                                   |        |                             |
|                                                                                                                                                        |                                   |        |                             |
|                                                                                                                                                        |                                   |        |                             |
|                                                                                                                                                        |                                   |        |                             |
| Citrix support <sup>1</sup>                                                                                                                            |                                   |        | PCL 5e, PCL 6, PostScript 3 |
| Win Server 2012/2012 R2                                                                                                                                |                                   |        | Yes                         |
| Win Server 2016 + XenApp 7.15 LTSR                                                                                                                     |                                   |        | Yes                         |
| Win Server 2016 + Citrix VirtualApps/Desktops 7 1912 LTSR                                                                                              |                                   |        | Yes                         |
| Win Server 2016 + Citrix VirtualApps/Desktops 7 2206                                                                                                   |                                   |        | Yes                         |
| Win Server 2016 + Citrix VirtualApps/Desktops 7 2209                                                                                                   |                                   |        | Yes                         |
| Win Server 2016 + Citrix VirtualApps/Desktops 7 2212                                                                                                   |                                   |        | Yes                         |
| Win Server 2016 + Citrix VirtualApps/Desktops 7 2203 LTSR                                                                                              |                                   |        | Yes                         |
| Win Server 2019                                                                                                                                        |                                   |        | Yes                         |
| Win Server 2022                                                                                                                                        |                                   |        | Yes                         |
| Macintosh                                                                                                                                              |                                   |        |                             |
| OS X Native                                                                                                                                            | v10.15 or later—PostScript 3 only |        |                             |
| UNIX                                                                                                                                                   |                                   |        |                             |
| Sun Solaris                                                                                                                                            | 10                                |        |                             |
| HP-UX                                                                                                                                                  | 11.x, 11iv2, 11iv3                |        |                             |
| Red Hat Linux                                                                                                                                          | Enterprise v5, v6                 |        |                             |
| SCO OpenServer                                                                                                                                         | 5.0.7, 6.0                        |        |                             |
| IBM AIX                                                                                                                                                | v7.1, v7.2                        |        |                             |

# specifications

| Point and Print    | Client                                                                                               | PCL 5e | PCL 6<br>PostScript 3 |
|--------------------|------------------------------------------------------------------------------------------------------|--------|-----------------------|
| SAP                |                                                                                                      |        |                       |
| Environment        | R/3, S/4                                                                                             |        |                       |
| Platform           | SAP R/3 (release versions 3.0 and higher), SAP R/3 Enterprise, mySAP ERP (2004 and higher), SAP HANA |        |                       |
| PDL                | PCL                                                                                                  |        |                       |
| Character set      | Latin-1, Latin-2, Unicode                                                                            |        |                       |
| Supported features | Available for the printing of all SAP document types (SAPScript, Smartforms, ABAP)                   |        |                       |
| Barcode fonts      | Code 128, Code 39, Code 93, Codabar, 2 of 5, MSI, USPS POSTNET, EAN/UPC                              |        |                       |
| OCR fonts          | OCR A, OCR B                                                                                         |        |                       |

<sup>1</sup>—Citrix support requires Windows Server with Terminal Services, check with your Citrix administrator for compatibility information

**Note:** Refer to your technical support for further details.

## Software solutions

Please refer to the Software Portfolio Selection Tool (SPST) for a list of compatible software solutions.

## Accessibility features

| Accessibility need           | Supported feature                                                                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Visual and auditory          | Easily distinguishable LEDs<br>Printer driver screen reader—with PCL 5, PCL 6, and PostScript 3<br>Simplified display<br>Easy to hear auditory signals |
| Seated users                 | Remote operation panel                                                                                                                                 |
| Arm or mobility disabilities | Sensitive touch screen operation panel<br>Normal and reverse grip paper tray handles<br>Light touch operation of paper trays                           |

## Environmental features

| Feature                                           |                                |           | IM 370F              | IM 460F     |
|---------------------------------------------------|--------------------------------|-----------|----------------------|-------------|
| Power source                                      |                                |           | 110 V, 60 Hz         |             |
| Power consumption                                 | Maximum operating              |           | 1,780 W              |             |
|                                                   | Operating                      |           | 528.8 W              | 622.5 W     |
|                                                   | Ready Mode                     |           | 26.4 W               |             |
|                                                   | Energy Saver Mode (Sleep Mode) |           | 0.45 W               |             |
| Typical Electricity Consumption (TEC)             |                                |           | 0.38138 kWh          | 0.49304 kWh |
| Warm-up time                                      | Quick Mode                     |           | 32 seconds or less   |             |
|                                                   | Without Quick Mode             |           | 60 seconds or less   |             |
| Recovery time—from Energy Saver Mode (Sleep Mode) |                                |           | 8.8 seconds or less  |             |
| Sound power level                                 | Mainframe                      | Standby   | 16.6 dB (A)          | 16.5 dB (A) |
|                                                   |                                | Operating | 61.7 dB (A)          | 63.8 dB (A) |
|                                                   | Full system                    | Operating | 66.9 dB (A)          | 67.9 dB (A) |
| Sound pressure level                              | Mainframe                      | Standby   | 3.2 dB (A)           | 3.5 dB (A)  |
|                                                   |                                | Operating | 51.6 dB (A)          | 54.4 dB (A) |
|                                                   | Full system                    | Operating | 54.9 dB (A)          | 55.7 dB (A) |
| Emission levels                                   |                                | Benzene   | 0.014 mg/h           |             |
|                                                   |                                | Dust      | 0.19 mg/h or less    |             |
|                                                   |                                | Ozone     | 0.074 mg/h           |             |
|                                                   |                                | Styrene   | 0.019 mg/h           |             |
| Total Volatile Organic Compounds (TVOC)           |                                | Standby   | 0.44 mg/h            |             |
|                                                   |                                | Printing  | 0.85 mg/h            |             |
| Green labels                                      |                                |           | Energy Star<br>EPEAT |             |

# FAQs



## Frequently asked questions (FAQs)

The section includes selected FAQs related to the products presented in this document.

**Q: What are the improvements in the IM 370F and IM 460F compared with the devices they replace?**

A: The IM 460F prints at 46 ppm while the previous IM 430F had a speed of 45 ppm.

The IM 370F and IM 460F come with a SPDF that provides a faster scanning speed of 46 ipm compared with 45.7 ipm in the predecessor devices.

Other notable differences compared with the previous device include A3 capabilities and the latest generation Smart Operation Panel.

The new devices also have a smaller footprint of 0.184m<sup>2</sup> compared with 0.214m<sup>2</sup>, which allows them to be installed in smaller spaces.

**Q: How is the IM 460FTL different from the IM 460F?**

A: The IM 460FTL is targeted specifically at the healthcare sector, and includes specialized firmware, as well as a Teflon-coated tray optimized for label/wristband printing and a standard locking feature to secure sensitive media (such as prescription blanks in healthcare or blank checks in financial environments).

**Q: What kind of customers are these devices targeted at?**

A: To take advantage of the worldwide shift from central to decentralized offices, these MFPs are aimed at Major Account (MA) customers in mixed A3 + A4 device proposals. This is because their small footprint, low noise levels, and support for software solutions make them ideal as a desk-side device while providing operation uniformity with larger A3 central devices.

Ricoh is also targeting these MFPs at small to medium businesses (SMBs) who require small form factor central devices but with fast speeds, high maximum paper capacity, and A3 capabilities.

**Q: How have these MFPs been improved in terms of sustainability features and why is this important?**

A: Taking care of the environment and improving sustainability efforts have become important considerations for businesses worldwide, and many are expected to increase their Environment, Social, and Governance (ESG) investments and financing.

These MFPs come with a range of improved features that reduce their impact on the environment and at the same time help our customers achieve their own sustainability goals.

The mainframe of these devices consists of 17% post-consumer recycled materials while the toner bottles are made of 81% recycled plastic. Additionally, the labels on the toner bottles have been replaced with laser engraving and they are no longer packaged in plastic bags.

Furthermore, Ricoh has switched to cardboard material instead of Expanded Polystyrene (EPS) foam and discontinued the use of polyethylene bags in the packaging for the optional paper feed unit.

These sustainability features will make these devices more appealing to customers who are looking to be more environmentally responsible and strengthen Ricoh's reputation as an environmental leader that businesses want to partner with.

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