# MP C3004SP/ASP
# MP C3504SP/ASP
# MP C4504SP/ASP
# MP C5504SP/ASP
# MP C6004SP

## nashuatec

**A3 Colour MFPs**

☑ **Printer** ☑ **Copier** ☑ **Scanner** ☑ **Fax**

| MP C3004SP/ASP | MP C3504SP/ASP | MP C4504SP/ASP |
|---|---|---|
| 30 ppm B/W Colour | 35 ppm B/W Colour | 45 ppm B/W Colour |

| MP C5504SP/ASP | MP C6004SP |
|---|---|
| 55 ppm B/W Colour | 60 ppm B/W Colour |

# Contents:

This sales guide is to be used by sales staff as a training aid. It is not a sales tool and should not be shared with customers. Whilst care has been taken to ensure the information provided in this guide is accurate, no liability will be accepted for errors or omissions.

# 1. Introduction

Ricoh's new A3 colour MFPs will fast become your customers' most valued business assets. Running quietly in the background, they effortlessly handle all needs; printing and copying in colour, neatly finishing document sets, scanning and distributing information and processing fax messages. The advanced MFPs share a common platform and with a range that includes 30, 35, 45, 55 and 60 ppm models, the same versatile technology can be deployed in every office.

MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 series MFPs feature Ricoh's new Smart Operation Panel and are print, copy and scan enabled. Fax is an option. SP versions are supplied with an ARDF and ASP versions with a high speed SPDF (single pass duplex feed). Using the SPDF, up to 220 originals can be fed in a single batch and scanned at a speed of 110 ipm (simplex) / 180 ipm (duplex). Other functional options include PostScript and IPDS printing and OCR scanning.

Ricoh's GWNX controller, with its superfast Intel processor, manages the workflow (1.33 GHz MP C3004/MP C3504 / 1.75 GHz MP C4504/MP C5504/MP C6004). To save time, a Human Detection Sensor wakes the MFP instantly from sleep mode - it takes less than 1 second - and the Smart Operation Panel lights up when touched, allowing the user to select applications and settings. The Intuitive User Interface simplifies operation and Ricoh's Smart Device Connector app improves mobility by enabling users to interact with the MFP using their smart phones and tablets. The MFPs also support use of optional workflow solutions, such as Ricoh's StreamLine NX and GlobalScan NX.

The MFPs can be tailored to operational needs. The paper capacity can be extended from 1,200 sheets to 4,700 sheets and there is a choice of integrated finishing systems. They include Ricoh's new and unique 1,000 sheet hybrid (staple and stapleless) finisher. The eco-friendly finishing solution neatly crimps up to five sheets of paper using a punch-press action to produce finger-friendly staple-free documents. It switches automatically to a conventional staple finish for larger documents sets.

The new MFPs are capable of more than just everyday printing and copying. They can be used by customers to create eye-catching promotional materials in-house. Ricoh's advanced PxP toner guarantees a wide colour gamut and the MFPs produce vibrant 1,200 x 1,200 dpi resolution print output at full engine speed. They can also feed coated heavyweight SRA3 media and banner stock for posters and point of sale material. The SRA3 paper can be trimmed after printing to produce full-bleed brochures.

The new models will strengthen Ricoh's A3 colour MFP range. They supersede the MP C3003/MP C3503/MP C4503/MP C5503/ MP C6003 series, giving users a more responsive and intuitive experience. The market for A3 colour MFPs is expanding and higher speed segments are enjoying rapid growth as businesses look for more productive solutions. Ricoh's new A3 colour MFPs meet that need. Ready in an instant, easy to use and quietly industrious, they deliver exceptional real-world productivity.

This guide explores the functionality of the new products in more detail, highlighting sales opportunities and identifying key selling points. It also provides side-by-side competitor comparisons.

# 2. Quick Overview

Ricoh's MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 series is a family of advanced A3 colour multifunctional products. The new models provide colour print, copy and scan functionality as standard, and range in speed from 30 to 60 ppm. Fax is an option. To simplify operation, they are equipped with Ricoh's Smart Operation Panel and offer support for integrated workflow solutions, such as StreamLine NX. With the new models sharing a common platform but offering a choice of speed and configuration, a single uniform solution can be deployed in all offices.

## The main specifications are:

- Full colour A3 MFPs
- 30, 35, 45, 55 and 60 ppm versions
- Uniform design and operation
- Colour print, copy and scan enabled
- Option to add up to 3 fax lines
- 10.1" Smart Operation Panel
- Intuitive User Interface (smart apps)
- USB/SD card reader
- GWNX controller
- 250 GB HDD [MP C3004/MP C3504] / 320GB HDD [MP C4504/MP C5504/MP C6004]
- SP models are equipped with a high capacity ARDF[*1]
- ASP models are equipped with a high speed SPDF
- 1,200/4,700 sheet paper supply (standard/maximum)
- 1,200 x 1,200 dpi print resolution
- PCL 5c/6 and PDF Direct (standard) / PS3, XPS, PictBridge and IPDS[*2] (options)

[*1] Except MP C6004SP, which is equipped with a high speed SPDF
[*2] IPDS printing is an option for MP C4504/MP C5504/MP C6004 only

## Feed and finishing options include:

- 1 x 550 sheet paper bank (PB3150), or
  2 x 550 sheet paper bank (PB3160), or
  2 x 1,000 sheet large capacity tray (PB3170)
- 1,500 sheet side LCT (RT3030)
- 125 sheet 1-bin inner tray (BN3110)
- 250 sheet side tray (Type M3) [all models], or
  250 sheet stapleless inner finisher (SR3180) [MP C3004/MP C3504], or
  500 sheet inner staple finisher (SR3130) [MP C3004/MP C3504/MP C4504/MP C5504], or
  1,000 sheet hybrid (staple and stapleless) finisher (SR3210) [all models], or
  1,000 sheet booklet finisher (SR3220) [all models], or
  2,000 sheet booklet finisher (SR3240) [MP C4504/MP C5504/MP C6004], or
  3,000 sheet staple finisher (SR3230) [MP C4504/MP C5504/MP C6004]

| Functionality, Feeds and Speeds - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | |
|---|---|---|---|---|---|
| | MP C3004SP/ASP | MP C3504SP/ASP | MP C4504SP/ASP | MP C5504SP/ASP | MP 6004SP |
| **Functionality** | A3 colour printer, copier and scanner (standard) / fax (option) | | | | |
| **Document Feed** | SP models: 100 sheet ARDF (standard) / ASP models: 220 sheet SPDF (standard) | | | | 220 sheet SPDF (std) |
| **Duplex** | Automatic duplex (standard) | | | | |
| **Paper Supply** | 1,200 sheets (standard) [2 x 550 trays + 100 sheet bypass] / 4,700 sheets (maximum) [with 2 x 1,000 sheet LCT + 1,500 sheet side LCT] | | | | |

| Paper Output | 500 sheets (standard) / 1,625 sheets (maximum) [with internal output tray + bridge unit + 1 bin tray + 1,000 sheet finisher] | | 500 sheets (standard) / 3,625 sheets (maximum) [with internal output tray + bridge unit + 1 bin tray + 3,000 sheet finisher] | | |
|---|---|---|---|---|---|
| First Page | BW 4.6 / FC 7.1 seconds (A4) | | BW 4.0 / FC 5.7 seconds (A4) | BW 3.1 / FC 4.5 secs (A4) | |
| Continuous | 30 ppm (A4 BW & FC) | 35 ppm (A4 BW & FC) | 45 ppm (A4 BW & FC) | 55 ppm (A4 BW & FC) | 60 ppm (A4 BW & FC) |
| Paper Size | A6 (90 x 148 mm minimum) to SRA3/Banner (320 x 1,260 mm maximum) [using bypass] | | | | |
| Paper Weights | 60 to 300 gsm (standard trays, optional paper banks and LCT), 52 to 300 gsm (bypass and optional side LCT), 64 to 256 gsm (duplex) | | | | |

| Volumes and Reliability - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | |
|---|---|---|---|---|---|
| | MP C3004SP/ASP | MP C3504SP/ASP | MP C4504SP/ASP | MP C5504SP/ASP | MP 6004SP |
| Average Volume | 5,000 pages | 7,000 pages | 10,000 pages | 12,000 pages | 15,000 pages |
| Maximum Volume | 20,000 pages | | 50,000 pages | | |
| Duty Cycle | 80,000 pages | | 200,000 pages | | |
| PM Cycle | 300,000 pages | | 400,000 pages | | |
| MCBC | 62,000 pages | 69,000 pages | 89,300 pages | 93,000 pages | 100,800 pages |
| Target Life | 5 years or 1.2 million pages | | 5 years or 3 million pages | | |

| Weights and Dimensions - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | |
|---|---|
| MP C3004SP/MP C3504SP | 95.6 kg / 587 x 685 x 913 mm [w x d x h] |
| MP C3004ASP/MP C3504ASP | 101.3 kg / 587 x 685 x 963 mm [w x d x h] |
| MP C4504SP/MP C5504SP | 97.7 kg / 587 x 685 x 913 mm [w x d x h] |
| MP C4504ASP/MP C5504ASP/MP C6004SP | 103.4 kg / 587 x 685 x 963 mm [w x d x h] |
| Paper Feed Unit PB3160 | 22 kg / 587 x 685 x 247 mm [w x d x h] |
| Paper Feed Unit PB3150 | 10.9 kg / 587 x 685 x 120 mm [w x d x h] |
| Caster Table Type M3 | 1.5 kg / 445 x 315 x 143 mm [w x d x h] |
| Low Cabinet 45 | 13.5 kg / 587 x 685 x 247 mm [w x d x h] |
| LCIT PB3170 | 22 kg / 587 x 685 x 247 mm [w x d x h] |
| LCIT RT3030 | 9.8 kg / 340 x 545 x 290 mm [w x d x h] |
| 1 Bin Tray BN3110 | 1.4 kg / 444 x 450 x 150 mm [w x d x h] |
| Internal Shift Tray SH3070 | 1.4 kg / 420 x 489 x 107 mm [w x d x h] |
| Side Tray Type M3 | 3.8 kg / 676 x 549 x 156 mm [w x d x h] |
| Internal Finisher SR3130 | 12.8 kg / 546 x 523 x 170 mm [w x d x h] |
| Internal Finisher SR3180 | 9.8 kg / 435 x 515 x 150 mm [w x d x h] |
| Bridge Unit BU3070 | 3.2 kg / 412 x 466 x 143 mm [w x d x h] |
| Finisher SR3210 | 27 kg / 563 x 620 x 960 mm [w x d x h] |
| Booklet Finisher SR3220 | 39.6 kg / 563 x 620 x 960 mm [w x d x h] |
| Finisher SR3230 | 33.5 kg / 657 x 613 x 960 mm [w x d x h] |
| Booklet Finisher SR3240 | 52.5 kg / 657 x 613 x 960 mm [w x d x h] |

# 3. Sales Highlights

## Essential business partners

Ricoh's new A3 colour MFPs will fast become your customers' most valued business assets. Running quietly and industriously in the background, they will effortlessly handle all document needs; printing and copying in colour, neatly finishing document sets, scanning and distributing information and processing fax messages. And, because the range extends from 30 to 60 ppm, the same versatile and easy-to-use technology can be deployed in every office and department.

- Versatile and easy-to-use answer to office and departmental document needs
- Print and copy in colour, neatly finish documents, quickly scan and distribute information
- 30, 35, 45, 55 and 60 ppm models share the same advanced features and easy operation
- Modular options expand functionality and automate manual process
- Provides a uniform enterprise-wide solution that can be tailored to local operational need

## Intuitive and uniform user interface

Sharing the same user interface and print driver as other Ricoh devices, the new MFPs can be installed as part of a uniform enterprise-wide solution. To save time, a Human Detection Sensor wakes the MFP instantly from sleep mode - it takes less than 1 second - and the Smart Operation Panel lights up when touched, allowing the user to select applications and settings. And Ricoh's new Intuitive User Interface provides easy to use copy, scan and fax apps.

- Ricoh's Smart Operation Panel and universal print driver provide a uniform platform
- To save time, a Human Detection Sensor wakes the MFP from sleep mode
- The Smart Operation Panel lights up when touched, allowing the user to select settings
- Ricoh's new Intuitive User Interface provides easy-to-use copy, scan and fax apps
- Time saving apps, such as ID Card Copy and Conference Concierge, can be downloaded

## Easy integration with smart devices

The new MFPs can interact seamlessly with users' smart devices. Ricoh's Smart Device Connector app supports NFC (near field communication) and QR barcode connection. The application can be used to scan a document to a users' smart device, or to print out a document received via Facebook, Messenger or email. It can also be used as an interactive address book, enabling users to send documents via the MFP to their own personal contacts.

- The MFPs improve workforce mobility by interacting with users' smart devices
- Ricoh's Smart Device Connector app supports NFC and QR barcode connection
- Smart Device Connector can be used to scan a document to a users' smart device
- And to print documents received via Facebook, Messenger or email
- Users can send documents via the MFP to their own personal contacts

# Secure and compliant workflow

Ricoh's GWNX controller, with its superfast Intel processor, manages the workflow and accounts for usage. The administrator can predetermine scan settings, print output can be locked until released by the originator and security information can be appended to each and every document. The new MFPs also support optional workflow solutions, such as StreamLine NX, which enables follow-you printing, and GlobalScan NX, which integrates paper documents into a digital workflow.

- Ricoh's superfast processor ensures responsive performance (1.33 GHz MP C3004/MP C3504 / 1.75 GHz MP C4504/MP C5504/MP C6004)
- Securely manage document workflows and account for usage
- Save scanned documents with searchable text (requires OCR option)
- Lock print output and append security information to every document
- Deploy optional workflow solutions, such as StreamLine NX and GlobalScan NX

# Tailored to operational need

The new MFPs can be tailored to operational need. The paper capacity can be extended from 1,200 sheets to 4,700 sheets and there is a choice of integrated finishing systems. These include Ricoh's innovative hybrid finisher. The system neatly crimps up to five sheets of paper using a punch-press action to produce finger-friendly staple-free document sets, switching automatically to a more conventional staple finish for larger documents sets.

- Options such as fax, PostScript printing and OCR scanning expand functionality
- Equipped with the IPDS print option (MP C4504/5504/6004 only), the MFPs can print directly from mainframe systems
- There is a choice of integrated feed and finishing systems
- Ricoh's innovative hybrid finisher produces neatly crimped staple-free document sets
- The booklet finisher staples regular document sets and produces saddle-stitched booklets

# Expanding business horizons

The new MFPs are capable of so much more than just everyday printing and copying. They can be used by customers to create eye-catching promotional material in-house. The new MFPs boast a wide colour gamut and produce vibrant high resolution output. They can also feed coated heavyweight SRA3 media and banner stock for posters and point of sale material. The SRA3 paper can be trimmed after printing to produce full-bleed A4 brochures.

- Create eye-catching promotional material in-house
- Vibrant high resolution output (1,200 x 1,200 dpi) is delivered at full engine speed
- The new MFPs will feed coated heavyweight SRA3 media and banner stock
- Print full-bleed brochures and produce banners, posters and point of sale material
- The optional booklet finisher professionally folds and saddle stitches booklets

# 4. Product Positioning

- **Advanced full colour A3 MFPs**

- **Workgroup multifunctional solutions for the general office**

- **30, 35, 45, 55 and 60 ppm versions**

- **Uniform design, common functionality and simple operation**

- **Succeeds MP C3003/MP C3503/MP C4503/MP C5503/MP C6003 series**

- **10.1" Smart Operation Panel and Intuitive User Interface (smart apps)**

The MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 series is a family of advanced A3 colour MFPs. Designed for office use, the workgroup MFPs are network ready, provide print, copy and scan functionality as standard and are supplied with either an ARDF (SP models) or a high speed SPDF (ASP models and MP C6004SP). Because they offer a wide choice of speed and configuration, the same versatile technology can be deployed in every office, ensuring a uniform and effective enterprise solution.

They new models supersede the MP C3003/MP C3503/MP C4503/ MP C5503/MP C6003 series. The most significant improvement is the inclusion, as standard, of the Ricoh's new 10.1" Smart Operation Panel. The Intuitive User Interface simplifies operation and Ricoh's Smart Device Connector app supports workforce

mobility by allowing users to interact with the MFP using their smart phones and tablets.

A new Intel-based CPU provides impressive processing power and improves responsiveness. To save time, the new MFPs sense when a user is approaching and power up ready for use. The intelligent Human Detection Sensor wakes the MFP instantly from energy saving sleep mode - it takes less than 1 second - and the Smart Operation Panel lights up when touched, allowing the user to select applications and settings. Other enhancements include the introduction of a new 1,000 sheet hybrid staple and stapleless finisher (unique to Ricoh), best-in-class TEC ratings, support for heavier media weights (300 gsm from any tray) and banner printing (up to 320 x 1,260 mm).

## Ricoh MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 series Positioning vs Competitors
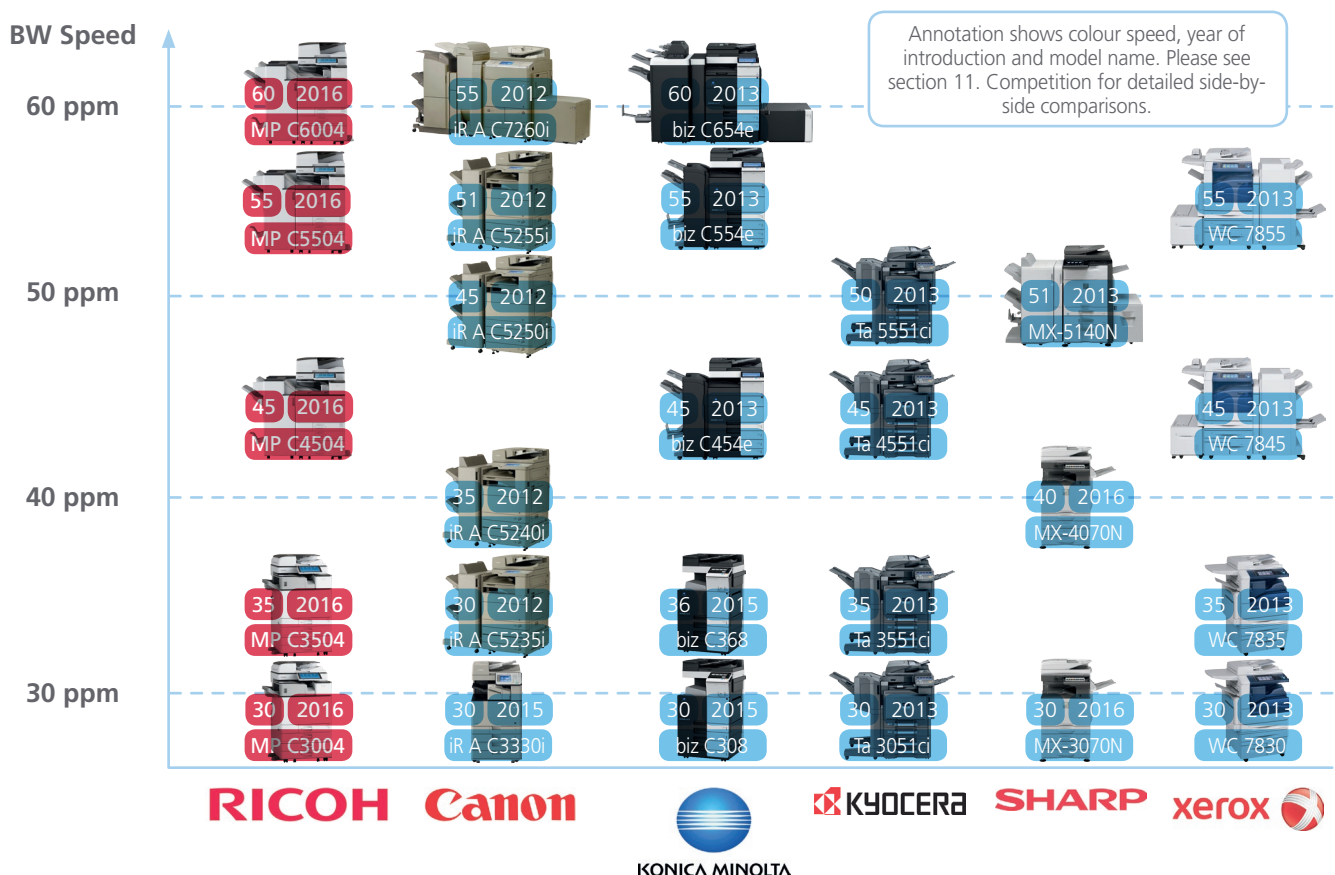
# 5. Configuration

## Standard Configuration

The new MFPs provide print, copy and colour scan functionality as standard. Fax is an option. SP versions are supplied with a high capacity ARDF* and ASP versions with a high capacity SPDF. All models are supplied with 2 x 550 sheet paper trays, a 100 sheet bypass and a duplex. The new MFPs feature Ricoh's 10.1" Smart Operation Panel and are supplied with a hard drive and a VM card.

\* Except MP C6004SP, which is equipped with a high speed SPDF

## Mainframe
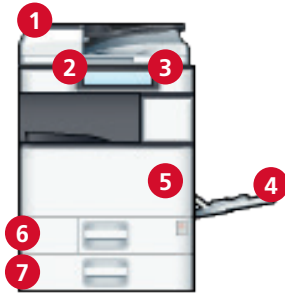
**1** = 100 sheet ARDF [MP C3004SP/MP C3504SP/MP C4504SP/MP C5504SP], or
    220 sheet SPDF [MP C3004ASP/MP C3504ASP/MP C4504ASP/MP C5504ASP/MP C6004SP]
**2** = 10.1" Smart Operation Panel
**3** = USB/SD card slot
**4** = 100-sheet bypass tray
**5** = Duplex [internal, not shown]
**6** = 550-sheet paper tray
**7** = 550-sheet paper tray

## Peripheral Options
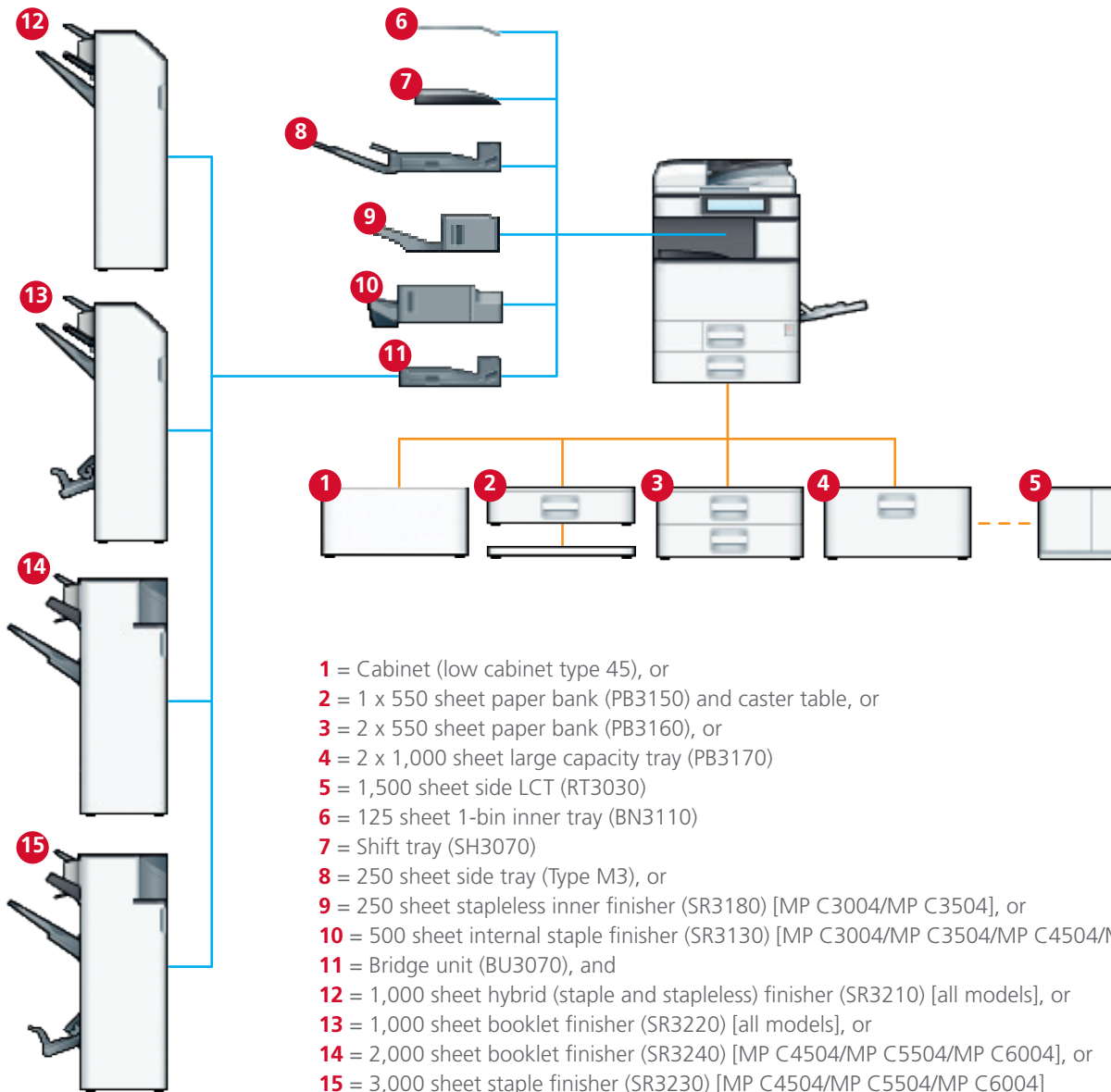
**1** = Cabinet (low cabinet type 45), or
**2** = 1 x 550 sheet paper bank (PB3150) and caster table, or
**3** = 2 x 550 sheet paper bank (PB3160), or
**4** = 2 x 1,000 sheet large capacity tray (PB3170)
**5** = 1,500 sheet side LCT (RT3030)
**6** = 125 sheet 1-bin inner tray (BN3110)
**7** = Shift tray (SH3070)
**8** = 250 sheet side tray (Type M3), or
**9** = 250 sheet stapleless inner finisher (SR3180) [MP C3004/MP C3504], or
**10** = 500 sheet internal staple finisher (SR3130) [MP C3004/MP C3504/MP C4504/MP C5504], or
**11** = Bridge unit (BU3070), and
**12** = 1,000 sheet hybrid (staple and stapleless) finisher (SR3210) [all models], or
**13** = 1,000 sheet booklet finisher (SR3220) [all models], or
**14** = 2,000 sheet booklet finisher (SR3240) [MP C4504/MP C5504/MP C6004], or
**15** = 3,000 sheet staple finisher (SR3230) [MP C4504/MP C5504/MP C6004]

## Functional Configuration

| Functional Configuration - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | |
|---|---|---|---|---|---|
| | MP C3004SP/ASP | MP C3504SP/ASP | MP C4504SP/ASP | MP C5504SP/ASP | MP 6004SP |
| Functionality | Colour print, copy and scan (standard) / fax (option) | | | | |
| Interfaces | Control Unit: Ethernet [RJ-45 network port, 10Base-T/100Base-TX/1000Base-T], USB Host I/F [Type A:2 Port] (standard) / IEEE1284/ECP, Wireless LAN [IEEE802.11a,b,g,n], Bluetooth,USB2.0 [TypeB], Ethernet [RJ-45 network port : 10Base-T/100Base-TX/1000Base-T] with optional USB device server option (options) | | | | |
| | Operation Unit: Wireless LAN [IEEE 802.11 b/g/n 2.4GHz Band only]* , Bluetooth 4.0*, SD Card Slot [1Slot/ Support SDHC Memory Card], USB Host [Type A:1Port/Support USB Flash Memory] (standard) / USB Host [Type A:1Port/Support Keyboard etc]*, USB Host [Type Mini B:1Port/Support NFC IC Card R/W]*, microSD card slot [for expansion of ROM storage of the operating unit]* (options) *Doesn't support printing | | | | |
| | Other: NFC Tag [SO14443 Type A, NFC Forum Type2 Tag Compliant]* (standard) / - (options) *Doesn't support printing | | | | |
| Print Drivers | PCL5c/6(XL), PDF (standard) / PS3, XPS, PictBridge (options) | | PCL5c/6(XL), PDF (standard) / PS3, IPDS, XPS, PictBridge (options) | | |
| Memory | 2 GB RAM and 250 GB Hard Disk Drive (standard) [4 GB RAM (option)] | | 2 GB RAM and 320 GB Hard Disk Drive (standard) [4 GB RAM (option)] | | |
| Security | Data Overwrite Security (standard) / Data Overwrite Security (for customers requiring Common Criteria certification before the mainframe is certified), Enhanced Security HDD, Counter Interface (optional) | | | | |
| Other | VM Card (standard) / Fax, G3 Interface Unit, Fax Connection Unit, Unicode Font Package, OCR Unit, File Format Converter (options) | | | | |

More peripheral and functional upgrade options are listed below (see EDP Codes and Dependencies)

## EDP Codes and Dependencies

| EDP Codes and Dependencies - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | |
|---|---|---|---|---|---|
| Category | Item | Product Name | EDP Code | Must Install | Cannot Install |
| Mainframe | 30 ppm MFP with SPDF | MP C3004ASP | 417455 | OI Kit | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, IPDS Uint |
| | 30 ppm MFP with ARDF | MP C3004SP | 417454 | OI Kit | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, IPDS Unit |
| | 35 ppm MFP with SPDF | MP C3504ASP | 417457 | OI Kit | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, IPDS Unit |
| | 35 ppm MFP with ARDF | MP C3504SP | 417456 | OI Kit | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, IPDS Unit |
| | 45 ppm MFP with SPDF | MP C4504ASP | 417459 | OI Kit | 250 sheets Internal Finisher (Stapleless) |
| | 45 ppm MFP with ARDF | MP C4504SP | 417458 | OI Kit | 250 sheets Internal Finisher (Stapleless) |
| | 55 ppm MFP with SPDF | MP C5504ASP | 417461 | OI Kit | 250 sheets Internal Finisher (Stapleless) |
| | 55 ppm MFP with ARDF | MP C5504SP | 417460 | OI Kit | 250 sheets Internal Finisher (Stapleless) |
| | 60 ppm MFP with SPDF | MP C6004SP | 417462 | OI Kit | 250 sheets Internal Finisher (Stapleless), 500 sheets Internal Finisher |
| Branding | NRG Branding Kit | Branding Kit 4 | 986276 | - | - |

| | | | | | |
|---|---|---|---|---|---|
| Paper Feed | 1 tray Paper Bank (1 x 550 sheets) | Paper Feed Unit PB3150 | 416545 | - | LCT, 2 tray Paper Bank, Side LCT, 1000 Sheets Booklet Finisher, Hybrid 1000 Sheets Finisher, 2000 Sheets Booklet Finisher, 3000 Sheets Finisher |
| | Caster Table | Caster Table Type M3 | 416737 | 1 tray Paper Bank | LCT, 2 tray Paper Bank, Cabinet, Side LCT, 1000 Sheets Booklet Finisher, Hybrid 1000 Sheets Finisher, 2000 Sheets Booklet Finisher, 3000 Sheets Finisher |
| | Cabinet | Low Cabinet 45 | 906709 | - | LCT, 1 or 2 tray Paper Bank, Caster table, Side LCT |
| | 2 tray Paper Bank (2 x 550 sheets) | Paper Feed Unit PB3160 | 416544 | - | LCT, 1 tray Paper Bank, Caster Table, Cabinet |
| | LCT (2 x 1,000 sheets) | LCIT PB3170 | 416547 | - | 2 tray Paper Bank, 1 tray Paper Bank, Cabinet, Caster Table |
| | Side LCT (1,500 sheets) | LCIT RT3030 | 416549 | 2 tray Paper Bank or LCT | Cabinet, 1 tray Paper Bank, Caster Table |
| | Banner Paper Guide Tray | Banner Paper Guide Tray Type M19 | 417485 | - | - |
| | SRA3/12.6" Option | Imageable Area Extension Unit Type M19 | 417497 | - | - |
| Finishing | 1 Bin Tray | 1 Bin Tray BN3110 | 417585 | | - |
| | Internal Shift Tray | Internal Shift Tray SH3070 | 416550 | - | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, 1000 Sheets Booklet Finisher, 1000 Sheets Hybrid Finisher, 250 sheets Internal Finisher, 500 sheets Internal Finisher, Bridge Unit, Side Tray |
| | Side Tray | Side Tray Type M3 | 417591 | - | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, 1000 Sheets Booklet Finisher, 1000 Sheets Hybrid Finisher, 250 sheets Internal Finisher, 500 sheets Internal Finisher, Bridge Unit, Internal Shift Tray |
| | 500 sheets Internal Finisher | Internal Finisher SR3130 | 417589 | - | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, 1000 Sheets Booklet Finisher, 1000 Sheets Hybrid Finisher, 250 sheets Internal Finisher, Bridge Unit, Internal Shift Tray |
| | 250 sheets Internal Finisher (Stapleless) | Internal Finisher SR3180 | 417593 | - | 500-sheet Internal Finisher, Internal Shift Tray, Side Tray |
| | Bridge Unit | Bridge Unit BU3070 | 417587 | Hybrid 1000 Sheets Hybrid Finisher or 1000 Sheets Booklet Finisher or 2000 Sheets Booklet Finisher or 3000 Sheets Finisher | 500 sheets Internal Finisher, Internal Shift Tray, Side Tray |

| | | | | | |
|---|---|---|---|---|---|
| | 1000 Sheets Hybrid Finisher | Finisher SR3210 | 417483 | Bridge Unit and Paper Bank or LCT | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, 1000 Sheets Booklet Finisher, 500 sheets Internal Finisher, Internal Shift Tray, Side Tray, 1 tray Paper Bank, Caster Table |
| | 1000 Sheets Booklet Finisher | Booklet Finisher SR3220 | 417484 | Bridge Unit and Paper Bank or LCT | 2000 Sheets Booklet Finisher, 3000 Sheets Finisher, 1000 Sheets Hybrid Finisher, 500 sheets Internal Finisher, Internal Shift Tray, Side Tray, 1 tray Paper Bank, Caster Table |
| | 3000 Sheets Finisher | Finisher SR3230 | 417487 | Bridge Unit and Paper Bank or LCT | 2000 Sheets Booklet Finisher, 1000 Sheets Booklet Finisher, 1000 Sheets Hybrid Finisher, 500 sheets Internal Finisher, Internal Shift Tray, Side Tray, 1 tray Paper Bank, Caster Table |
| | 2000 Sheets Booklet Finisher | Booklet Finisher SR3240 | 417488 | Bridge Unit and Paper Bank or LCT | 3000 Sheets Finisher, 1000 Sheets Booklet Finisher, 1000 Sheets Hybrid Finisher, 500 sheets Internal Finisher, Internal Shift Tray, Side Tray, 1 tray Paper Bank, Caster Table |
| | NA Punch Unit for SR3130 | Punch Unit PU3040 NA | 416615 | Internal Finisher | - |
| | EU Punch Unit for SR3130 | Punch Unit PU3040 EU | 416616 | Internal Finisher | - |
| | SC Punch Unit for SR3130 | Punch Unit PU3040 SC | 416617 | Internal Finisher | - |
| | NA Punch Unit for SR3210/SR3220 | Punch Unit PU3050 NA | 416609 | 1000 Sheets Booklet Finisher or 1000 Sheets Hybrid Finisher | - |
| | EU Punch Unit for SR3210/SR3220 | Punch Unit PU3050 EU | 416610 | 1000 Sheets Booklet Finisher or 1000 Sheets Hybrid Finisher | - |
| | SC Punch Unit for SR3210/SR3220 | Punch Unit PU3050 SC | 416611 | 1000 Sheets Booklet Finisher or 1000 Sheets Hybrid Finisher | - |
| | NA Punch Unit for SR3230/SR3240 | Punch Unit PU3060 NA | 416612 | 2000 Sheets Booklet Finisher or 3000 Sheets Finisher | - |
| | EU Punch Unit for SR3230/SR3240 | Punch Unit PU3060 EU | 416613 | 2000 Sheets Booklet Finisher or 3000 Sheets Finisher | - |
| | SC Punch Unit for SR3230/SR3240 | Punch Unit PU3060 SC | 416614 | 2000 Sheets Booklet Finisher or 3000 Sheets Finisher | - |
| Fax | Fax for MP C3004/ MP C3504 | Fax Option Type M19 | 417511 | - | - |
| | Fax for MP C4504/ MP C5504/MP C6004 | Fax Option Type M20 | 417528 | - | - |
| | G3 Unit for MP C3004/ MP C3504 | G3 Interface Unit Type M19 | 417516 | Fax Option | - |

| | | | | | |
|---|---|---|---|---|---|
| | G3 Unit for MP C4504MP C5504/ MP C6004 | G3 Interface Unit Type M20 | 417534 | Fax Option | - |
| | Remote fax for MP C3004/MP C3504 | Fax Connection Unit Type M19 | 417570 | Fax Option (for Main unit) | - |
| | Remote fax for MP C4504/MP C5504/ MP C6004 | Fax Connection Unit Type M20 | 417520 | Fax Option (for Main unit) | - |
| | Fax Memory | FAX Memory Unit Type M19 64MB | 417518 | Fax Option | - |
| | Fax Stamp | Marker Type 30 | 334049 | Fax Option | - |
| Printing | PostScript3 | PostScript3 Unit Type M19 | 417505 | - | EFI Controller |
| | PictBridge | Camera Direct Print Card Type M19 | 417507 | - | EFI Controller |
| | IPDS | IPDS Unit Type M20 | 417525 | - | EFI Controller |
| | EFI Controller | Color Controller E-23C | 417597 | - | PostScript3, PictBridge, IPDS, Bluetooth, IEEE1284, Wireless LAN, Unicord Font Package for SAP, Font SD card for SAP (EU only) |
| | XPS | XPS Direct Print Option Type M19 | 417502 | - | - |
| | Unicode Font Package | Unicode Font Package for SAP® 1 License | 413009 | - | - |
| | Unicode Font Package | Unicode Font Package for SAP® 10 License | 413010 | - | - |
| | Unicode Font Package | Unicode Font Package for SAP® 100 License | 413011 | - | - |
| Scanning | OCR Unit | OCR Unit Type M13 | 417429 | - | - |
| | File Format Converter | File Format Converter Type M19 | 417508 | - | IEEE 802.11a/g/n Interface Unit |
| Network | Wireless LAN Interface | IEEE 802.11a/g/n Interface Unit Type M19 | 417493 | - | Bluetooth, IEEE 1284, EFI Controller, File Format Converter |
| | IEEE 1284 Interface | IEEE 1284 Interface Board Type M19 | 417596 | - | IEEE 802.11a/g/n Interface Unit, EFI Controller, Additional NIC |
| | Bluetooth | Bluetooth Interface Unit Type D | 415818 | - | IEEE 802.11a/g/n Interface Unit, Additional NIC |
| | Additional NIC | USB Device Server Option Type M19 | 417568 | - | IEEE 802.11a/g/n Interface Unit, IEEE1284, File Format Converter |
| | Extended USB | Extended USB Board Type M19 | 417566 | - | - |
| Security | Counter Interface | Optional Counter Interface Unit Type M12 | 417111 | - | EFI Controller |
| | Key Counter Bracket | Key Counter Bracket Type M3 | 416869 | - | EFI Controller |
| | NFC Card Reader | NFC Card Reader Type M19 | 417573 | - | - |
| | Card Reader Bracket | Card Reader Bracket Type 3352 | 415814 | - | - |
| | Card Reader Cover | Smart Card Reader Built-in Unit Type M19 | 417595 | - | Keyboard Bracket |

| | Keyboard Bracket | External Keyboard Bracket Type M19 | 417578 | - | Smart Card Reader Built-in Unit |
|---|---|---|---|---|---|
| | DOSS Option | DataOverwriteSecurity Unit Type M19 | 417499 | - | FIPS 140-2 HDD |
| | FIPS 140-2 HDD | Enhanced Security HDD Option Type M12 | 417099 | - | HDD Option, DOSS Option |
| Other | ADF Handle | ADF Handle Type C | 416213 | - | - |
| | Memory | Memory Unit Type M19 4GB | 417498 | - | - |

| OI Kit EDP Codes - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | |
|---|---|---|---|---|---|
| **Language** | **Description** | **EDP Code** | **Language** | **Description** | **EDP Code** |
| Catalan | OIC6004SPCA | 912596 | Hungarian | OIC6004SPHN | 912590 |
| Czech | OIC6004SPCZ | 912589 | Italian | OIC6004SPIT | 912585 |
| Danish | OIC6004SPDN | 912595 | Norwegian | OIC6004SPNR | 912591 |
| Dutch | OIC6004SPNL | 912586 | Polish | OIC6004SPPL | 912593 |
| English | OIC6004SPEN | 912582 | Portuguese | OIC6004SPPR | 912592 |
| Finnish | OIC6004SPFN | 912594 | Russian | OIC6004SPRU | 912598 |
| French | OIC6004SPFR | 912584 | Spanish | OIC6004SPSP | 912587 |
| German | OIC6004SPGE | 912583 | Swedish | OIC6004SPSW | 912588 |
| Greek | OIC6004SPGR | 912599 | Turkish | OIC6004SPTU | 912597 |

| Consumable EDP Codes - MP C3004/MP C3504 | | | |
|---|---|---|---|
| **Brand** | **Item** | **Product Name** | **EDP Code** |
| Multi Brand | Toner Black | Print Cartridge Black MP C3503 | 841817 |
| | Toner Yellow | Print Cartridge Yellow MP C3503 | 841818 |
| | Toner Magenta | Print Cartridge Magenta MP C3503 | 841819 |
| | Toner Cyan | Print Cartridge Cyan MP C3503 | 841820 |
| | Waste Toner Bottle | Waste Toner Bottle MP C6003 | 416890 |
| Ricoh | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210 | Ricoh Staple Type T | 414859 |
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210 | Ricoh Refill Staple Type T | 414865 |
| | Staple Set Cartridge for SR3150/SR3220 | Rioch Staple Type S | 412874 |
| | Staple Refill Cartridge for SR3150/SR3220 | Ricoh Refill Staple Type K | 410802 |
| NRG | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210 | Staple Type T | 414861 |
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210 | Refill Staple Type T | 414867 |
| | Staple Set Cartridge for SR3150/SR3220 | Staple Type S | 412875 |
| | Staple Refill Cartridge for SR3150/SR3220 | Staple Refill CSC760B | 410806 |

| Infotec | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210 | Infotec Staple XVI/1(Set Cartr.) | 414860 |
|---|---|---|---|
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210 | Infotec Staple XVI/2(Refill) | 414866 |
| | Staple Set Cartridge for SR3150/SR3220 | Staples XIV Set Cartridge | 412876 |
| | Staple Refill Cartridge for SR3150/SR3220 | Staple Type XI/2 Refill | 410808 |

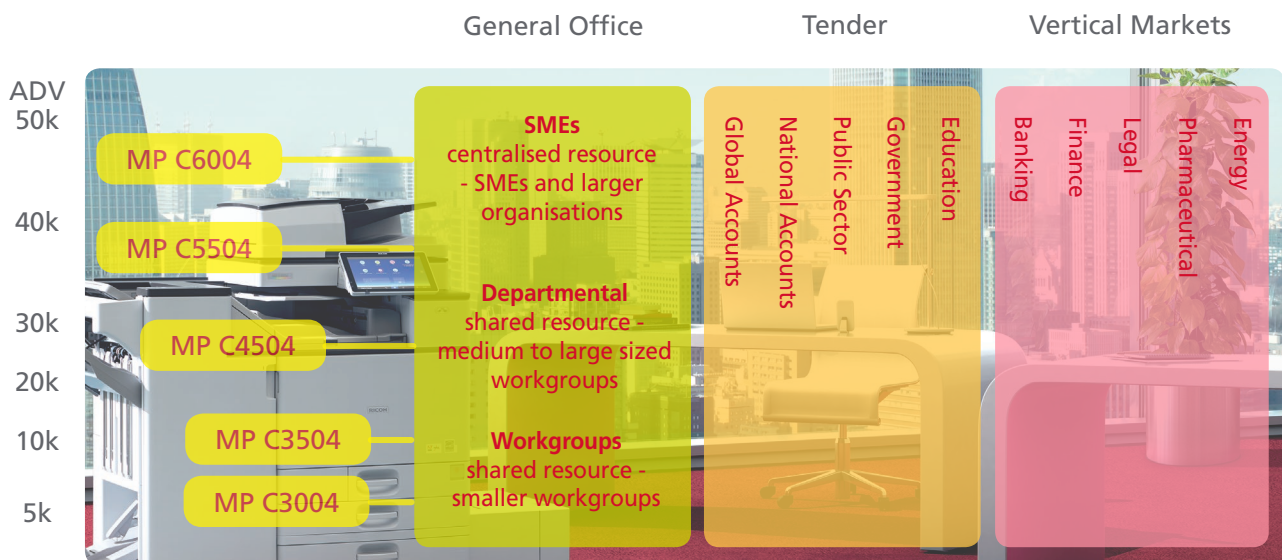| Consumable EDP Codes - MP C4504/MP C5504/MP C6004 | | | |
|---|---|---|---|
| **Brand** | **Item** | **Product Name** | **EDP Code** |
| Multi Brand | Toner Black | Print Cartridge Black MP C6003 | 841853 |
| | Toner Yellow | Print Cartridge Yellow MP C6003 | 841854 |
| | Toner Magenta | Print Cartridge Magenta MP C6003 | 841855 |
| | Toner Cyan | Print Cartridge Cyan MP C6003 | 841856 |
| | Waste Toner Bottle | Waste Toner Bottle MP C6003 | 416890 |
| | Staple Set Cartridge for SR3170/SR3240 (Saddle Stitch) | Staple Type W | 416710 |
| | Staple Refill Cartridge for SR3170/SR3240 (Saddle Stitch) | Refill Staple Type W | 416712 |
| Ricoh | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Ricoh Staple Type T | 414859 |
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Ricoh Refill Staple Type T | 414865 |
| | Staple Set Cartridge for SR3150/3220 | Ricoh Staple Type S | 412874 |
| | Staple Refill Cartridge for SR3150/3220 | Ricoh Refill Staple Type K | 410802 |
| NRG | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Staple Type T | 414861 |
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Refill Staple Type T | 414867 |
| | Staple Set Cartridge for SR3150/3220 | Staple Type S | 412875 |
| | Staple Refill Cartridge for SR3150/3220 | Staple Refill CSC760B | 410806 |
| Infotec | Staple Set Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Infotec Staple XVI/1(Set Cartr.) | 414860 |
| | Staple Refill Cartridge for SR3170/SR3160/3140/3130/3210/3240 | Infotec Staple XVI/2(Refill) | 414866 |
| | Staple Set Cartridge for SR3150/3220 | Staples XIV Set Cartridge | 412876 |
| | Staple Refill Cartridge for SR3150/3220 | Staple Type XI/2 Refill | 410808 |

# 6. Target Markets

The launch of the MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 series will strengthen Ricoh's colour range and protect Ricoh's market leading position in the 30 to 60 ppm segment. The market for A3 colour MFPs is growing. IDC forecast 5.9% compound annual growth in worldwide demand, with global sales expected to hit 1.7 million units in 2018. Higher speed segments (40 to 60 ppm) are expected to show the strongest growth as businesses seek to improve office productivity.
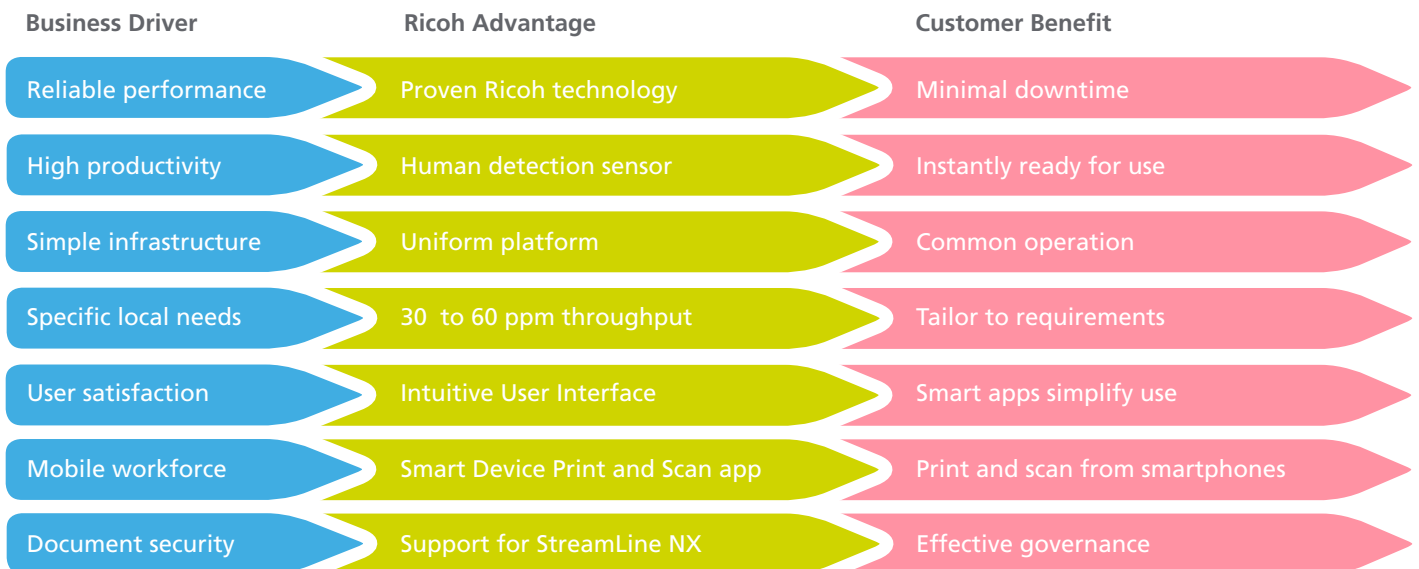
The new models are designed for workgroup use in the general office. Target markets include businesses and organisations with regular document requirements (letters, spreadsheets, presentations, reports etc). The new Intel processor improves responsiveness. With the human detection sensor ensuring that the MFPs recover instantly from sleep mode and the Intuitive User Interface simplifying operation, Ricoh's new A3 colour MFPs offer office workers exceptional real-world productivity.

The new MFPs will appeal particularly to customers with advanced workflow and/or security requirements, such as financial institutions, pharmaceutical companies and defence contractors. They have a GWNX controller, they feature Ricoh's new 10.1" Smart Operation Panel and are supplied with a hard drive and a VM card. They support a variety optional workflow solutions, including StreamLine NX, which enables follow-you printing, and GlobalScan NX, which integrates paper documents into a digital workflow.

## Target Markets - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004



High-level business drivers will include:

| Business Driver | Ricoh Advantage | Customer Benefit |
|---|---|---|
| Reliable performance | Proven Ricoh technology | Minimal downtime |
| High productivity | Human detection sensor | Instantly ready for use |
| Simple infrastructure | Uniform platform | Common operation |
| Specific local needs | 30 to 60 ppm throughput | Tailor to requirements |
| User satisfaction | Intuitive User Interface | Smart apps simplify use |
| Mobile workforce | Smart Device Print and Scan app | Print and scan from smartphones |
| Document security | Support for StreamLine NX | Effective governance |

# 7. Smart Operation Panel

Ricoh's Smart Operation Panel is a stylish and intuitive alternative to conventional user interfaces. Navigated like a smartphone or a tablet, Ricoh's Smart Operation Panel simplifies operation, expands functionality and customises the user experience. It even includes a web browser that allows users to view and print web content from the control panel of MFP. The panel is also equipped as standard with a WiFi card, which makes direct connection between mobile devices and panel possible, simplifying accessibility and information exchange.

Individual users can customise the interface to their own requirements. They can change the wallpaper, drag and drop icon-based short cuts onto the home screen, download and save apps, customise machine sounds (key, beeper and alert sounds can be set individually), quickly access one-touch settings and view intelligent widgets. Any user not comfortable with the Smart Operation Panel can quickly toggle to Ricoh's conventional menu-based interface.

Users may also download more workflow applications from Ricoh's Application Site. The site is accessed via the Application Site icon on the Smart Operation Panel. Users visiting the site can view the available workflow applications and download them directly to the MFP. Core applications, which include ID Card Copy and Conference Concierge, are supplemented with locally/regionally developed applications, such as Smart Send and Swipe Authentication. Firmware updates can also be downloaded from the site. Accessing Ricoh's Application Site via the Smart Operation Panel makes it easy for users to configure their MFPs and trial the latest workflow applications.

The Smart Operation Panel supports Quick Authentication. The simple 'swipe-and-go' card-based authentication system is fast and secure, eliminating the need for users to remember additional login names and passwords. Ricoh's native authentication software is pre-installed and only requires the purchase of an optional NRC Reader / Writer. By controlling access to MFP functions, it prevents sensitive documents from being viewed, copied or sent by unauthorised users.

# Standard Features, Extraordinary Experience

The standard features of the Smart Operation Panel provide an extraordinary user experience. It is easy to navigate the interface, the screen can be personalised, widgets provide essential information, icons are organised in folders, web pages can be printed and quick settings simplify operation.
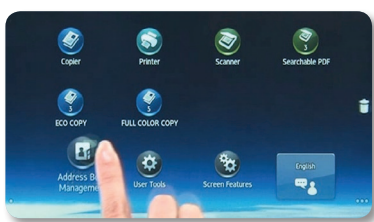


# Intuitive Navigation

The MFP can be operated with touch gestures, just like a smart device. With a flick of the finger, the user can navigate from one screen to another. The familiar drag-and-drop gesture can be used to rearrange icons on the home screen. And, by pinching the screen, the user can zoom in and out.
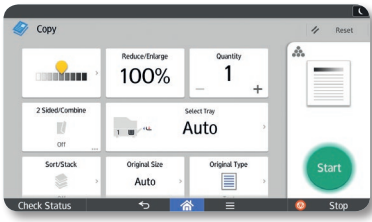
## Intuitive User Interface

Ricoh's new Intuitive User Interface for copy, scan, fax and print simplify operation. Using 'flick' and 'pinch-in/out' gestures, it is easy to check and change copy, scan and fax settings. A grid-based layout with large icons and fonts make the apps easy to use and provides a smooth transition from Ricoh's 'classic' user interface.
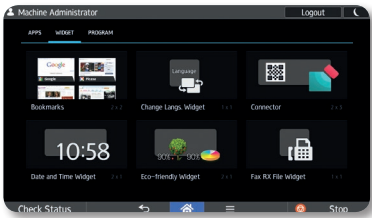
## Instant Information

Widgets can be added to the home screen, making information available at a glance. They include widgets that show the date and time, display environmental metrics and the amount of toner remaining, notify users of incoming fax messages and enable the user to switch languages.
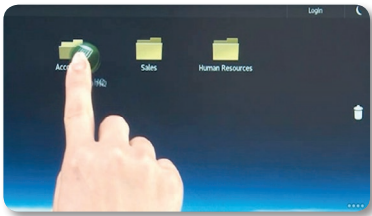
## Home Screen Folders

Folders can be created on the home screen. This allows icons to be organised logically and located quickly. For repetitive tasks requiring multiple settings, storing all the required program icons in the same folder can save a lot of time.
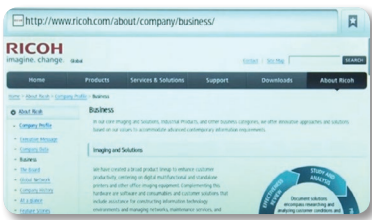
## Integrated Web Browser

A standard feature of the Smart Operation Panel, the Web Browser provides direct access to the web. It can be used to access and view web pages, and enables users to print HTML and PDF content, such as maps and tickets, directly from the MFP.
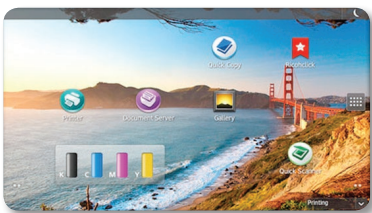
## Personalised Wallpaper

Customising the interface increases the user's affinity with the MFP. The wallpaper can be changed at will. Users can switch between ready-made wallpaper options or customise the background by loading their own images from an SD Card.

## Application Site

The Application Site icon on the Smart Operation Panel provides easy access to additional workflow applications and firmware updates. Accessing the site, users can configure their MFPs and trial the latest workflow applications. Some of the core applications are listed below.

# Intelligent Workflow Applications

The standard features can be expanded by downloading intelligent workflow applications developed by Ricoh and its partners. These applications include Smart Device Connector, Remote Assistance and Pattern Lock.

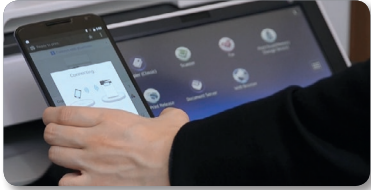| Workflow Applications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Smart Device Connector  | Ricoh Smart Device Connector app enables users to connect smart phones and tablets to the MFP quickly and easily using NFC, QR code and Bluetooth. Once connected, their smart devices can be used as an interface to print and scan documents and send fax messages (requires fax enabled MFP). | Improves access to technology, simplifies information exchange and helps to facilitate mobile working. |
| ID Card Copy | The ID Card Copy app automates ID card copying, printing the front and back of an ID card onto one side of a sheet of paper. | It is designed to help staff working on the registration desk in hotels, banks, hospitals and car rental agencies and will save them time and reduce errors. |
| Scan to Folder Helper | This application provides users with a setup wizard for registering the destination of documents that have been scanned using Scan to SMB. | Automates the scanning process and simplifies operation. |
| Easy Book Scan<br><br>*** NEW *** | New app erases shadows, enabling books and loose sheet originals to be scanned with the ARDF/SPDF open. | Speeds job build and improves image quality. |
| Remote Assistance<br><br>*** NEW *** | Responding to a remote assistance request, the help desk administrator can view the Smart Operation Panel of an MFP and support the user by annotating the screen, remotely changing settings or sending a URL that enables the user to view and print web-based support information. | Reduces downtime and simplifies support. |

Sales people should check with their local marketing department for an up to date list of workflow applications.

# 9. Key Features

| Mainframe - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| I-Style design | The new MFPs follow Ricoh's I-Style design concept. Operational areas, such as the touchscreen display and delivery area, are emphasised in black. | Smart appearance accentuates compact design and looks professional in a modern work environment. |
| Full colour | The MFPs support colour and black-and-white. | A single device can meet colour and black-and-white needs, saving space and money. |
| Uniform platform<br><br>**\*\*\* Enterprise Solution \*\*\*** | They share a similar appearance and the same operating system and user interface as other Ricoh MFPs. | Can be sold as part of a uniform enterprise wide solution. Users are instantly familiar with the intuitive operating system. |
| Multifunctional products | The new MFPs offer 4-in-1 functionality. The machines are print, copy and scan enabled. Fax is an option. | Replace personal printers and other desktop devices, saving space and money. |
| Modular options | There is a selection of modular options for the new MFPs. They include fax and print upgrades, paper banks and LCTs and a variety of finishing options. | Using modular options, the solution can be tailored to operational need and budget. |

| Operation - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Next Generation (GWNX) controller | The new MFPs feature the latest version of Ricoh's GWNX controller architecture. | Common interface automates workflow, establishes governance and enforces security. |
| 10.1" touchscreen<br><br>**\*\*\* Best in Class \*\*\*** | Large, high visibility touchscreen panel - there are no hard buttons - can be tilted for easy operation. | Easily accessible, no matter where the MFP is located and instantly familiar to users of other Ricoh devices. |
| Human Detection Sensor<br><br>**\*\*\* New Feature \*\*\*** | Senses when a user is in front of the machine and wakes the operation panel from sleep mode. | With the operation panel instantly ready (1 second recovery time), the operator can start selecting applications and settings sooner. |

| | | |
|---|---|---|
| Smart Operation Panel | The touchscreen is navigated with touch gestures, much like a smart phone or tablet. | Simplifies operation, improving the user experience. |
| Intuitive User Interface | Intuitive applications, navigated using flick and pinch-in/out gestures, make it easy to select copy, scan and fax settings. | Simplifies operation and provides a smooth transition from Ricoh's 'classic' user interface. |
| Customisable wall paper | An image, such as a corporate logo, can be displayed on the operational panel. | Use of a company logo improves the user's affinity with the machine. |
| Web Browser<br><br>*** Now Standard *** | Enables users to navigate and print from the Web, as well as access and print documents stored in cloud-based accounts. | Saves time and improves access to information. |

| Productivity - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Quick warm up | Ready to print within 25 seconds (MP C3004/MP C3504) or 24 seconds (MP C4504/MP C5504/MP C6004). | Saves time and improves productivity. |
| Fast first page | MP C3004 and MP C3504 produce their first pages in 4.6 seconds (BW) / 7.1 seconds (FC), MP C4504 produces its first page in 4.0 seconds (BW) / 5.7 seconds (FC) and MP C5504 and MP C6004 produce their first pages in 3.1 seconds (BW) / 4.5 seconds (FC). | Eliminates bottlenecks as one-off prints and copies are delivered at speed. |
| Tailored performance | There is a choice of 30, 35, 45, 55 and 60 ppm models, all of which share the same advanced functionality and intuitive user interface. | Supports a uniform deployment (same functionality) whilst allowing the solution to be tailored to local or departmental requirements (different speed / price). |
| High speed duplex | The new MFPs are equipped with high speed duplexes and maintain full productivity when printing double sided. | Improves productivity and professionalism. |

| Document Feed - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| High capacity ARDF | All SP models other than the MP C6004SP (see following) are supplied with a high capacity ARDF. Up to 100 documents can be fed in a single batch. Colour and B&W documents are scanned at a speed of 80 ipm. | Automates scanning process |

| | | |
|---|---|---|
| Single pass duplex feed (SPDF) | All ASP models and the MP C6004SP are supplied with a high speed SPDF (single pass duplex feed). Up to 220 documents can be fed in a single batch. The SPDF scans both sides in single pass. Colour and B&W documents are scanned at a speed of 110 ipm (simplex) and 180 ipm (duplex). | Speeds scanning process. Particularly useful in applications where large batched of documents are regularly scanned or copied. |

| Paper Handling - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| A3 print engine | The new MFPs handle paper formats from A6 to SRA3 and paper sizes from 90 x 148 mm to 320 x 1,260 mm. | Single device can meet A4 and A3 print requirements. |
| SRA3 support | The 2nd tray and optional 3rd and 4th trays support SRA3 paper. | Print full-bleed A3 documents, complete with trim marks. |
| Banner printing | The bypass feed supports banner stock of up to 320 x 1,260 mm. | Print colour banners and signage in house. |
| Envelope printing | The 2nd tray and optional 3rd and 4th trays and the bypass tray also support multi-feeding of envelopes. | Speed mailing process by printing addresses onto envelopes. |
| Large paper capacity | The standard paper capacity of 1,200 sheets (2 x 550 trays and 100 sheet bypass) can be expanded to / 4,700 sheets (maximum) with the addition of a 2 x 1,000 sheet LCT and 1,500 sheet side LCT. | Hold different paper formats and stock online and reduce downtime related to paper replenishment. |
| Auto tray switching | The MFPs can automatically switch from one tray to another. | Replenish paper without interrupting the print process. |
| Thick paper support | The regular paper trays, optional paper banks and LCT support paper weights of 60 to 300 gsm and the bypass and side LCT support paper weights of 52 to 300 gsm. | Print reliably onto letterhead paper, bond stock and other premium heavyweight media. |
| 100 sheet multi-bypass | The standard multi bypass tray will hold 100 sheets of paper. | Quickly feed non-standard media such as letterhead paper, labels and envelopes. |

| Finishing Options - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Internal Finisher SR3180 (MP C3004/ MP C3504)<br><br>**\*\*\* Eco-Friendly \*\*\*** | A 250 sheet stapleless finisher can be installed within the catch tray. The finisher can hold up to 250 sheets and allows up to five sheets of paper to be bound using a punch-press action. | This is a compact, low cost and eco-friendly finishing system. |
| Internal Finisher SR3130 (MP C3004/ MP C3504/MP C4504/MP C5504)<br><br> | A 500 sheet staple finisher sits can be installed within the catch tray. The finisher can hold up to 500 sheets of paper and staple up to 50 sheets. There is a 2/4 hole punch option for this finisher. | This is a compact and low cost finishing solution. |

| | | |
|---|---|---|
| Finisher SR3210 (all models)<br><br>*** Unique Sales Point *** | This is a hybrid finisher. It will bind document sets of up to 5 sheets using a stapleless punch-press action and staple larger document sets using a conventional staple action. It has a 1,000 sheet shift tray, a 250 sheet proof tray and can staple up to 50 sheets. A 2/4 hole punch is offered as an option. | This finisher is unique to Ricoh. Small documents sets can be bound using a low cost, eco-friendly punch-press action, whilst larger documents sets can be securely stapled. |
| Booklet Finisher SR3220 (all models) | This is a multipurpose booklet finisher that can be used to collate and staple regular document sets and saddle stitch booklets. It has a 1,000 sheet shift tray, a 250 sheet proof tray and can staple up to 50 sheets (regular staple) or 15 sheets (saddle stitch). A 2/4 hole punch is offered as an option. | This is a low cost booklet making solution. Doubling as a regular staple finisher and as a booklet maker, it enables users to produce neatly folded booklets of up to 60 pages (15 sheets). |
| Finisher SR3230 (MP C4504/MP C5504/MP C6004) | This is a productive high capacity staple finisher. It has a 3,000 sheet shift tray, a 250 sheet proof tray and can staple up to 50 sheets. A 2/4 hole punch is offered as an option. | This is a heavy duty staple finisher which supports long print runs and provides capacity for long periods of unsupervised production. |
| Finisher SR3240 (MP C4504/MP C5504/MP C6004)<br><br>*** Professional Finishing *** | This is a productive high capacity booklet finisher that can be used to collate and staple regular document sets and saddle stitch booklets. It has a 2,000 sheet shift tray, a 250 sheet proof tray and can staple up to 50 sheets (regular staple) or 20 sheets (saddle stitch). A 2/4 hole punch is offered as an option. | This is a heavy duty booklet making option. Doubling as a regular staple finisher and as a booklet maker, it enables users to produce neatly folded booklets of up to 80 pages (20 sheets). |

| Connectivity - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| Feature | Advantage | Benefit |
| Network ready | The new MFPs are equipped with a gigabit ethernet interface and there are parallel, wireless and bluetooth interface options. | Workgroup users can share the same device, improving access. |
| USB device server<br><br>*** New Option *** | The USB device server provides a secondary network interface port which allows the MFPs to connect simultaneously to two print networks. | Support customers, such as banks, hospitals and schools, who run separate open and closed networks. |
| Smart Device Print and Scan<br> | Free Ricoh app enables documents to be printed from and scanned to smartphones and tablets. | Improves access and mobility. |

| Printing - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| Feature | Advantage | Benefit |
| 1,200 x 1,200 dpi resolution | The new MFPs produce immaculate 1,200 x 1,200 dpi resolution print output. | Improves the appearance of business communication. |

| | | |
|---|---|---|
| Point and print icons | The standard PCL print driver and optional PS3 print driver have graphic icons which allow single click selection of complex settings. | Simplifies the print process, saving time. |
| PostScript 3 (option) | A genuine PostScript driver is available as an option. | Print PostScript, PDF and XPS files accurately. |
| IPDS print (option for MP C4504/ MP C5504/MP C6004) | The genuine IPDS option enables fast, error-free bi-directional communication with mainframe (host) computer systems. | Improve ROI by printing transactional data such as invoices and statements. |
| Scheduled print | Users can specify a time at which documents are to be printed. | Reduces bottlenecks. Time-consuming jobs such as invoice runs can be scheduled to run overnight or at the weekend. |
| PDF direct print | PDF documents can be printed directly to the PostScript enabled printer. The files are processed by the printer rather than the PC. | Releases computer resource and reduces network traffic. |
| XPS direct print (option) | The new MFPs also support XPS direct print. XPS is an XML based document format similar to PDF, promoted by Microsoft. | Compatible with newly emerging print format. |
| Mail to Print (fax capability required) | Send an email with attached data directly to the MFP for printing. | Improves access and simplifies print process. |

| Portable Media - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| USB/SD card reader<br><br>**\*\*\* Standard Feature \*\*\*** | There is a USB/SD card reader located to the side of the control panel. | Improves access by enabling walk up users to print from and scan to flash memory. |
| Media print settings | Print settings such as duplex and booklet printing can be applied to documents held on the USB/SD card. | Improves functionality enhances the quality of printed documents. |
| Media print preview | Documents held on the USB/SD card can be previewed at the control panel. The preview is displayed with selected print settings applied. | Reduces waste by ensuring that the right documents are selected and printed in the format required. |
| Multiple file selection | It is possible to select and print multiple JPEG, TIFF or PDF files held in the same folder of a USB/SD card. | Speeds production with the user able to print multiple files in a single operation. |

| Scanning - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Colour scanning<br><br> | The new MFPs scan documents in full colour at a resolution of up to 1,200 x 1,200 dpi. | Share information instantly via email and save documents to document server or to a centralised electronic record. |

| | | |
|---|---|---|
| Flatbed scanner | Books and photographs can be scanned directly from the platen glass. | It is easy to scan bound or mounted originals such as books and photographs. |
| Document server<br><br>**\*\*\* Included in Price \*\*\*** | The standard hard disk drive acts as document server and can be used to archive up to 3000 documents or 9000 pages. | Reduce costs by printing regularly used documents on demand instead of holding shelf stock. |
| Distributed scan management (DSM) | The administrator can pre-set scanning conditions and destinations for users. | Simplifies the scanning process. |
| Searchable PDF (requires OCR option) | The document text is recognised and saved along with the original document. | Improves access to information as documents can be searched for using keywords, and text within the document can be edited. |
| Encrypted PDF transmission | PDF documents scanned to e-mail, saved to the document server or to another network location can be encrypted and password protected. | Protects confidential information. |
| PDF/A | PDF/A is an ISO standard for the long-term archiving of electronic documents. The format locks the document to maintain its originality and records within the document a 'Device Certificate'. | Document format complies with government and industry regulatory standards. |
| Enhanced encryption level | The user can select secure encryption algorithms. Supported algorithms include AES256bit (used by the US government, NESSIE in the EU and CRYPTREC in Japan) and SHA-2 (used by the US National Security Agency). | Encryption complies with government and industry regulatory standards. |

| Copying - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Scan once, copy many | Copies are produced from memory. | Each copy is identical to the first. |
| Electronic sorting | Copies and prints are delivered in page order. | Saves time as sets are collated ready for distribution. |
| Digital zoom | 25 to 400% zoom with 1% steps plus 13 preset enlargement / reduction ratios | One-step enlargement / reduction between A4 and A3 formats, saves time. |
| ID card copy | Automatically copies both sides of an ID card onto one side of a sheet of paper. | Saves time and paper. Will prove useful to organisations needing to copy credit cards and passports. |
| Combine copy | Scan two or four originals and print them as tiled copies on one sheet of paper. | Reduce print and paper costs. |

| Fax - Option for MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Fax (option) | The fax option adds plain paper fax functionality to the MFP. | Eliminates the need for a separate standalone fax machine, saving money and space. |
| G3 fax (option, requires fax option) | This option enables the MFP to handle a 2nd and/or 3rd fax line. | Acts as a fax hub, eliminating the need for multiple standalone fax machines. |

| | | |
|---|---|---|
| Remote fax (option) | Allows the MFP to send faxes via another (fax enabled) Ricoh MFP. | Reduces configuration cost and enables multiple MFPs to share a single fax line. |
| Book fax | Bound documents, such as brochures and reports, can be faxed directly from the platen glass. | Saves time as there is no need to breakdown bound documents for faxing. |
| Quick dial | There is the facility to save 2,000 quick dial numbers. | Speeds communication with regular contacts. |

| Security - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| NFC Card Reader (option) | An optional NFC (near field communication) card reader can be installed inside the top panel of the MFP. The reader supports ID card authentication. | Protects security by requiring ID card based authentication. |
| Data Overwrite Security | Overwrites temporary data held on the hard drive up to nine times with random data. | Protects security by ensuring that temporary data cannot be recovered. |
| HDD Encryption | Encrypts the address book, authentication information and stored documents. | Protects security by encrypting documents. |
| FIPS certified HDD (option) | The standard hard drive can be replaced with an optional HDD that is certified to meet the Federal Information Processing Standards (FIPS). These are U.S. government computer security standards that specify requirements for cryptography modules. | Suitable for use in secure environments such as by government agencies and in industries that are subject to strict security compliance. |
| Quota scheduling | The administrator can limit the output of individual users and user groups by setting page count limits. This feature now allows quotas to be shared across multiple Ricoh devices. | Establishes governance over the print environment and reduces print volume. |
| Banner page print | A job sheet can be printed before a print job that identifies the originator. | Makes it easier to identify work in a busy environment. |
| Mandatory hold print | When mandatory hold print is activated by the administrator, print output is held in the document server until released at the printer by the originator. | Protects confidentiality and reduces waste. |
| Mandatory security information | Automatically append security information such as the user ID, date, time, IP address and printer serial number to every document printed. | Improves document security by establishing a printed audit trail. |
| Fax output timer (requires fax option) | The administrator can set a time schedule for fax output. Fax messages are held in memory and printed at the predetermined time. | Reduces the risk of fax messages being read by unauthorised personnel or inadvertently picked up along with other documents. |

| Environment - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| **Feature** | **Advantage** | **Benefit** |
| Power on/off timer | The power on/off timer switches the machine on and off at specified times. | Ensures the machine is ready for use and saves energy by switching the machine off when it is not required. |

| | | |
|---|---|---|
| Sleep mode | In energy saving sleep mode, the new devices consume less than 1 W. | Reduces energy consumption. |
| Eco-information screen | A pop-up, visible at the control panel, reports green metrics, such as the number of double sided prints. | Encourages sustainable print behavior. |
| Low TEC (total energy consumption) ***Best-in-Class*** | The new MFPs are amongst the most energy efficient in their class. MP C3004SP has, for example, a TEC rating of just 1,200 Wh. | Save energy and reduce carbon emissions by using energy efficient technology. |
| Energy Star v2, BAM and EPEAT Gold | The new MFPs are compliant with the latest environmental standards, including Energy Star v2, Blue Angel Mark (BAM) and EPEAT Gold. | Don't just take Ricoh's word for it; third party certification proves that these devices are eco-friendly. |

# 9. Specifications

| General Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | |
|---|---|---|---|
| Warm-up time | 25/25/24/24/24 seconds | | |
| First output speed | Full colour | 7.1/7.1/5.7/4.5/4.5 seconds | |
| | B/W | 4.6/4.6/4/3.1/3.1 seconds | |
| Continuous output speed | Full colour | A4 | 30/35/45/55/60 pages per minute |
| | B/W | A4 | 30/35/45/55/60 pages per minute |
| CPU | Intel Atom Processor Bay Trail | 1.33/1.33/1.75/1.75/1.75 GHz | |
| Memory | Standard | 2 GB | |
| | Maximum | 6 GB | |
| HDD | 250 GB | | |
| Reproduction ratio | 400% | | |
| | 200% | | |
| | 141% | | |
| | 122% | | |
| | 115% | | |
| | 100% | | |
| | 93% | | |
| | 82% | | |
| | 71% | | |
| | 61% | | |
| | 50% | | |
| | 25% | | |
| Zoom | From 25% to 400% in 1% step | | |
| UI features | UI customization | | |
| | My operation panel | | |
| | Operation manual on operation panel | | |
| | Workflow improvement with one-button | | |
| | External USB keyboard | | |
| | QWERTY layout keyboard | | |
| | AZERTY layout keyboard | | |
| | Function key | | |
| | Simple UI apps | | |
| | Simple Function apps | | |
| | Smart Apps | | |
| | Smart Device-like LCD operability | | |
| | Zoo | | |
| Accessibility features | Easy touch screen | | |
| | Normal/reverse grip & light drawing | | |

| | Tilt operation panel | |
|---|---|---|
| | Printer driver (PCL6) screen reader | |
| | Simplified display | |
| | Auditory outputs (easy to hear) | |
| | Barrier-free colour management mode | |
| | Visually accessible LED placement | |
| Other value-added features | Folder management with password in Document Server | |
| | Import/export of preferred settings | |
| | Information screen (eco-friendly indicator) | |
| | Bates stamp | |
| | ID card copy | |
| | Subset stapling | |
| | Half fold | |
| Dimensions (W x D x H) | 587 x 685 x 788 mm | |
| Weight | 101.3/101.3/103.4/103.4/103.4 kg | |
| Power source | 220 - 240 V, 50/60 Hz | |

| Copier Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| Copying process | Dry Electrostatic Transfer System with Dual component Development: 4-Drum method | |
| Multiple copying | Up to 999 copies | |
| Resolution | 600 dpi/4 bit | |
| Enhanced features | Colour mode | |
| | Duplex | 1 sided to 2 sided |
| | | 2 sided to 2 sided (with ARDF) |
| | | Book to 2 sided |
| | | Front and back to 2 sided |
| | Book | Booklet |
| | | Magazine |
| | | Layout & Booklet |
| | Series | Book to simplex |
| | | 2 Sided original to simplex |
| | Combine | 2 into 1 simplex |
| | | 4 into 1 simplex |
| | | 8 into 1 simplex |
| | | 1 duplex into 1 simplex |
| | | 2 duplex into 1 simplex |
| | | 4 duplex into 1 simplex |
| | | 4 into 1 duplex |
| | | 8 into 1 duplex |

| | | | |
|---|---|---|---|
| | | 16 into 1 duplex | |
| | | 2 duplex into 1 duplex | |
| | | 4 duplex into 1 duplex | |
| | | 8 duplex into 1 duplex | |
| | Shift/erase/margin adjustment | Centering | |
| | | Margin adjustment | |
| | | Erase center | |
| | | Erase border | |
| | Cover sheet/chapter/slip sheets | Front cover | Copy or Blank |
| | | Front & back cover | Copy or Blank |
| | | Chapter | |
| | | Slip sheets | |
| | Image rotation | | |
| | Electronic sort | Without shift sort | Yes (only without finisher) |
| | | Rotate sort | Yes |
| | | Shift sort | Yes (only with finisher) |
| | Electronic stack | | |
| | Stapling | | |
| | Colour creation | Colour conversion | |
| | | Colour erase | |
| | | Colour overlay | |
| | Image creation | Repeat | |
| | | Double copy | |
| | | Mirror | |
| | | Positive/negative | |
| | Stamp/numbering | Preset stamp | 8 stamps |
| | | User stamp | 4 stamps |
| | | Date stamp | |
| | | Page number | 6 styles |
| | | Bates Numbering | |
| | | Printing copy prevention pattern | |
| | Colour balance adjustment | | |
| | Colour balance program | | |
| | Auto Colour Calibration (ACC) | | |
| | Sharp/soft | 7 levels | |
| | Contrast | 9 levels | |
| | Background density adjustment | 9 levels | |
| | Under Colour Removal (UCR) adjustment | 9 levels | |

| | | |
|---|---|---|
| | Text & photo separation sensitivity adjustment | 9 levels |
| | Colour erase sensitivity adjustment | 5 levels |
| | Job programs | |
| | User code | 8 digits / 1,000 user code |
| | Interrupt copy | |
| | Auto start | |
| | Job preset | |
| | Sample copy | |

| Printer Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | |
|---|---|---|---|
| Printer language | Standard | PCL5c | |
| | | PCL6(XL) | |
| | | PDF | |
| | Option | XPS | |
| | | Adobe® PostScript® 3™ | |
| | | IPDS | |
| | | PictBridge | |
| Print resolution | Maximum | 1,200 x 1,200 dpi/2bit | |
| Interface | Standard | USB2.0 Type A | |
| | | SD slot | |
| | | Ethernet 10 base-T/100 base-TX/1000 base-T | |
| | Option | Wireless LAN (IEEE 802.11a/b/g/n) | |
| | | Bluetooth | |
| | | USB Server for Second Network Interface | |
| | | Bi-directional IEEE 1284/ECP | |
| | | USB 2.0 (Type B) | |
| Mobile printing capability | Apple AirPrint™ | | |
| Network protocol | Standard | TCP/IP | IP v4 |
| | | | IP v6 |
| Windows® environments | Windows® Vista | | |
| | Windows® 7 | | |
| | Windows® 8 | | |
| | Windows® 8.1 | | |
| | Windows® Server 2008 | | |
| | Windows® Server 2008R2 | | |
| | Windows® Server 2012 | | |
| | Windows® Server 2012R2 | | |

| Mac OS environments | Macintosh OS X Native v10.7 or later | |
|---|---|---|
| UNIX environments | UNIX Sun® Solaris | 9 |
| | | 10 |
| | HP-UX | 11.x |
| | | 11i v2 |
| | | 11i v3 |
| | SCO OpenServer | 5.0.7 |
| | | 6.0 |
| | RedHat® Linux Enterprise | 4 |
| | | 5 |
| | | 6 |
| | IBM® AIX | 5L v5.3 |
| | | 5L v6.1 |
| | | 5L v7.1 |
| SAP® R/3® environments | SAP® R/3® | |
| Other supported environments | NDPS Gateway | |
| | AS/400® using OS/400 Host Print Transform | |
| | IBM iSeries | |
| Supported barcode & OCR fonts | | |
| Printer driver features | Sample print | |
| | Locked print | |
| | Hold print | |
| | Scheduled print | |
| | Stored print | |
| | Store and print | |
| | Banner Page Print (Job Sheet Print) | |
| | Black over print | |
| | CLP colour simulation | |
| | PDF direct print | |
| | PictBridge | |
| | Mail to print | |
| | Classification code | |
| | Bonjour (Rendezvous) support | |
| | Windows® Active Directory support | |
| | DDNS support | |
| | PCL resident font adoption | |
| | Tray-parameter change from Web Image Monitor | |
| | 1,200 dpi support | |
| | Mobile driver | |

| | | |
|---|---|---|
| | XPS support | |
| | WS printer | |
| | Wireless LAN interface option | |
| | Media Direct Print (print from USB) | |
| | Media Direct Print (print from SD) | |
| | Auto Job Promotion | |
| | AirPrint | |
| | Poster Print | |
| | WPS (WiFi Protected Set-up) support | |

| Scanner Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| Scanning area | Main scan | 297 mm |
| | Sub scan | 432 mm |
| Scanning speed | ARDF | Max. 80 originals per minute |
| | SPDF | Max. 110 (simplex)/180 (duplex) originals per minute |
| Resolution | Standard | 100 dpi |
| | | 200 dpi |
| | | 300 dpi |
| | | 400 dpi |
| | | 600 dpi |
| | | 1,200 dpi |
| | Default | 200 dpi |
| | Maximum | 1,200 dpi |
| Network interface | Ethernet 10 base-T/100 base-TX | |
| | GigaEthernet (1000 base-T) | |
| | Wireless LAN (IEEE 802.11a/b/g/n) | |
| Protocol | Network: TCP/IP | |
| | Web Services on Devices for Scanning | |
| | Sending E-mail: SMTP, POP3 | |
| | Sending E-mail: SMTP | |
| Scan mode | Standard | B/W |
| | | B/W text/line art |
| | | B/W text |
| | | B/W text/photo |
| | | B/W photo |
| | | B/W grayscale |
| | | Full colour |
| | | Full colour text/photo |
| | | ACS |

| Image density | Auto Density Selection | |
|---|---|---|
| | Manual: 7 levels | |
| Original size | A3 | |
| | A4 | |
| | A5 | |
| | B4 | |
| | B5 | |
| | B6 | |
| File format | Single page TIFF | |
| | Single page JPEG | |
| | Single page PDF | |
| | Single page High compression PDF | |
| | Single page PDF-A | |
| | Single Page Encrypt PDF | |
| | Multi page TIFF | |
| | Multi page PDF | |
| | Multi page High compression PDF | |
| | Multi page PDF-A | |
| | Multi Page Encrypt PDF | |
| | High compression PDF | |
| | Single page OCR (option) | |
| | Multi page OCR (Option) | |
| Bundled drivers | Network TWAIN | |
| | Scanner utility | |
| | WIA | |
| Scanner features | WS-Scanner | |
| | Scanned file naming | Reference # setting |
| | LDAP Support | E-mail address search |
| | | Fax address search |
| | Preview before transmission (TX preview) | |
| | PDF encryption | |
| | Drop out colour send | |
| | Twain Scan | |
| | Universal send (simultaneous fax & scan) | |
| | Distributed Scan Management (DSM) | |
| Scan to | E-mail | |
| | Folder | |
| | USB | |
| | SD card | |

| | SMB |
|---|---|
| | FTP |
| | URL |
| | PDF/A |
| | Digitally signed PDF |
| | Searchable PDF (embedded) |

| Fax Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | |
|---|---|---|---|
| Circuit | PSTN | | |
| | PBX | | |
| Compatibility | ITU-T (CCITT) G3 | | |
| | Additional G3 (option) | | |
| Resolution | Standard | 8 x 3.85 line/mm, 200 x 100 dpi | |
| | | 8 x 7.7 line/mm, 200 x 200 dpi | |
| | Option | 8 x 15.4 line/mm, 400 x 400 dpi | |
| | | 16 x 15.4 line/mm, 400 x 400 dpi | |
| Compression method | MH | | |
| | MR | | |
| | MMR | | |
| | JBIG | | |
| Transmission speed | G3 | 2 second(s) (200 x 100 dpi, JBIG) | |
| | | 3 second(s) (200 x 100 dpi, MMR) | |
| Modem speed | Maximum | 33.6 Kbps | |
| Scanning speed | 0.83 second(s) | | |
| Memory capacity | Standard | 4 MB | |
| | Maximum | 60 MB | |
| Internet Fax | Requirement of mainframe | G3 fax option required | |
| | Number of address | 2,000 addresses (without HDD) | |
| | Email address input | From LCD operation panel | |
| | | Web Image Monitor | |
| | | Smart Device Monitor for Admin | |
| | Attention | "to" or "bcc" (select only one), maximum 500 attentions | |
| | Destination combination | Internet Fax + G3 Fax | |
| | | Internet Fax to PC + G3 Fax | |
| | Network | LAN | Ethernet/10Base-T |
| | | | Ethernet/100Base-TX |
| | | | Ethernet/1000Base-T |
| | | | IEEE 802.11a/b/g/n (Wireless LAN) |

| | | | |
|---|---|---|---|
| | Transmit function | E-mail | |
| | Scan line density | Standard character | 200 x 100 dpi |
| | | Detail character | 200 x 200 dpi |
| | | Fine character | 200 x 400 dpi |
| | | Super fine character | 400 x 400 dpi |
| | (Maximum)Original size | A3 | |
| | Communication protocol | Transmission | SMTP, TCP/IP |
| | | Reception | POP3 |
| | | | SMTP |
| | | | IMAP4 |
| | | | TCP/IP |
| | IPv6 Support | | |
| | Email format | Single/multi-part | |
| | | MIME Conversion | |
| | | Attached file forms: TIFF-F (MH, MR, MMR compression) | |
| | Authentication method | SMTP-AUTH | |
| | | POP before SMTP | |
| | | A-POP | |
| | Internet communication | Send and receive e-mail with a computer that has an e-mail address | |
| | E-mail send functions | Automatic conversion of sent documents to e-mail format and e-mail transmission. Memory transmission only. | |
| | E-mail receive functions | Automatic detection and printing of appended TIFF-F(MH) files and ASCII text. Memory reception only. | |
| Paper size | A3 | | |
| | DLT | | |
| | B4 | | |
| | A4 | | |
| | Letter | | |
| | Legal | | |
| | B5 | | |
| | A5 | | |
| Resolution | Super fine | 400 x 400 dpi | |
| | Detail | 200 x 200 dpi | |
| | Standard | 200 x 100 dpi | |
| | Reduce 400dpi image data to 400dpi | | |
| Number of addresses | 2,000 addresses | | |
| OS | Windows® XP | | |
| | Windows® Vista | | |
| | Windows® 7 | | |

| | | | |
|---|---|---|---|
| | Windows® 8 | | |
| | Windows® Server 2003 | | |
| | Windows® Server 2003R2 | | |
| | Windows® Server 2008 | | |
| | Windows® Server 2008R2 | | |
| | Windows® Server 2012 | | |
| | Windows® Server 2012R2 | | |
| IP Fax | Network | Ethernet/10Base-T | |
| | | Ethernet/100Base-TX | |
| | | Ethernet/1000Base-T | |
| | | IEEE 802.11a/b/g/n (Wireless LAN) | |
| | Scan Line Density | Standard character | 200 dpi x 100 dpi |
| | | Detail character | 200 dpi x 200 dpi |
| | | Super Fine character | 400 dpi x 400 dpi |
| | Maximum scanning size | Standard | 297 mm x 432 mm |
| | | Irregular | 297 mm x 600 mm |
| | Transmission protocol | Recommended: T.38, TCP, UDP/IP communication, SIP(RFC 3261 compliant), H.323 v2 | |
| | IPv6 support | | |
| | Compatible machines | IP-Fax compatible machines | |
| | IP-fax transmission function | Specify an IP address and send faxes to an IP-Fax compatible fax through a network. Also capable of sending faxes from a G3 fax connected to a telephone line via a VoIP gateway. | |
| | IP-fax reception function | Receive faxes sent from an IP-Fax compatible fax through a network. Also capable of receiving faxes from a G3 fax connected to a telephone line via a VoIP gateway | |
| | Original size | Maximum | A3 |
| | | | DLT |
| Fax features | Remote Fax | | |
| | Detection of misplaced document | | |
| | Double-check of destination address | | |
| | Direct SMTP | | |
| | Forward to E-mail | Inbound fax (G3/Internet) | |
| | | G3 fax transmission result | |
| | | G3 LAN fax transmission result | |
| | | Internet fax sending result (to SMTP) | |
| | | Fax to e-mail result (to SMTP) | |
| | | IP fax sending result | |
| | | Journal | |
| | | Fax from special sender | |

| | | |
|---|---|---|
| | | Fax and forward designated receiver (SUB) |
| | Fax forward to folder | with e-mail notification |
| | Paperless fax (HDD received) | with e-mail notification |
| | LAN-fax with cover sheet editor | |
| | LDAP Support | Fax address search |
| | Max G3 lines | |
| | Universal Send (simultaneous fax & scan) | |
| | DS stored data sending | |
| | Fax line assignment | |
| | Fax output timer | |

## Paper Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series

| | | |
|---|---|---|
| Recommended paper size | Standard paper tray(s) | SRA3 |
| | | A3 |
| | | A4 |
| | | A5 |
| | | A6 |
| | | B4 |
| | | B5 |
| | | B6 |
| Paper input capacity | Standard | 1,200 sheets |
| | Maximum | 4,700 sheets |
| Paper output capacity | Maximum | 1,625/1,625/3,625/3,625/3,625 sheets |
| Paper weight | 52 - 300 g/m² | |

## Security Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series

| | | |
|---|---|---|
| HDD Data Overwrite Security (with optional HDD) | | |
| Authentication | Windows® authentication | |
| | LDAP authentication | Kerberos |
| | Basic authentication | |
| | User code authentication | |
| | 802.1.x wired authentication | |
| Encryption | Address book encryption | |
| | Authentication password encryption | |
| | SSL communication | |
| | S/MIME | |
| | IPsec communication | |
| | HDD encryption | |

| | Type A |
|---|---|
| | SNMPv3 (SDM) |
| | Address book encryption |
| | PDF password encryption |
| | Authentication password encryption |
| | WPA2 (Wireless LAN) |
| Others | Network Protocol On/Off |
| | IP filtering (Access Control) |
| | Mask Type for copying/data security |
| | Copy Data Security Unit option |

| Unauthorised copy prevention (print) |
|---|
| Unauthorised copy prevention (copy) |
| Quota Setting/Account Limit |
| Single Sign On |
| SMTP over SSL |
| Compulsory security stamp |

| Environmental Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | |
|---|---|---|---|
| Power consumption | Maximum | 1,700/1,700/1,850/1,850/1,850 W | |
| | Ready mode | 47.3/47.3/55.1/55.1/55.1 W | |
| | Sleep mode | 0.93/0.93/0.89/0.89/0.89 W | |
| | TEC (Typical Electricity Consumption) | 1.2/1.3/1.8/2.5/2.7 kWh | |
| Material emission level (emission rate) | Ozone (Print) | FC | Operation: 3 mg/h |
| | | BW | Operation: 1.5 mg/h |
| | Dust (Print) | FC | Operation: 4 mg/h |
| | | BW | Operation: 4 mg/h |
| | Styrene (Print) | FC | Operation: 1.8 mg/h |
| | | BW | Operation: 1 mg/h |
| | TVOC (Print) | FC | Operation: 18 mg/h |
| | | BW | Operation: 10 mg/h |
| | TVOC (Ready) | Operation: 2 mg/h | |
| | Benzene (Print) | Operation: 0.05 mg/h | |
| Environmental labels/ENERGY STAR certification | BAM | | |
| | ENERGY STAR version 1.1 | | |
| | ENERGY STAR version 2.0 | | |
| Storage conditions | Temperature | -30°C - 40°C | |

| | | |
|---|---|---|
| | Humidity | Less than 85% |
| | Storage period | Maximum 12 months |
| | Maximum stack | 3 cartons |
| Transportation conditions | Temperature | -30 - 40°C |
| | Humidity | Less than 95% |
| | Maximum stack | 2 cartons |

| Options - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series |
|---|
| ADF handle |
| 1 x 550-sheet paper tray |
| 2 x 550-sheet paper tray |
| 2,000-sheet large capacity tray |
| 1,500-sheet side large capacity tray |
| Bridge unit |
| 1,000-sheet Hybrid finisher |
| 3,000-sheet finisher |
| Internal finisher |
| Internal finisher with stapleless stapler |
| 1,000-sheet booklet finisher |
| 2,000-sheet booklet finisher |
| Punch kits |
| Internal shift tray |
| One-bin tray |
| Side tray |
| Caster table |
| Cabinet |
| Bi-directional IEEE 1284 |
| Wireless LAN (IEEE 802.11a/g/n) |
| Bluetooth |
| Pictbridge |
| PostScript3 |
| IPDS unit |
| Counter interface |
| File format converter |
| Key counter bracket |
| Card reader bracket |
| Data Overwrite Security Unit (Certified version) |
| Fax Connection Unit |

| |
|---|
| Fax marker |
| Fax memory |
| Fax option |
| Unicode Font Package for SAP |
| OCR Unit |
| Smart Card Reader Built-in Unit |
| SRA3 unit |
| XPS direct print |
| Enhanced security HDD |
| Keyboard bracket |
| NFC Card Reader |
| Font SD card |
| USB Device Server |
| Banner paper tray guide |
| G3 Interface unit |
| EFI colour controler |
| Extended USB board |
| 4GB Memory unit |

| Consumables - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | |
|---|---|---|
| Toner capacity | Black | 29,500/29,500/33,000/33,000/33,000 prints |
| | Cyan | 18,000/18,000/22,500/22,500/22,500 prints |
| | Magenta | 18,000/18,000/22,500/22,500/22,500 prints |
| | Yellow | 18,000/18,000/22,500/22,500/22,500 prints |

# 10. Service and Supplies

The new MFPs should be maintained by trained service engineers. Like other Ricoh MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

- Transparent pricing
- Includes toner and servicing
- Pre-agreed page cost
- Metered pay as you go billing

The new models have similar running costs to their predecessors (MP C3003/MP C35003/MP C4503/MP C5503/MP C600s series). Although the running costs are similar, sales people should refer to their service or sales management for actual service pricing.

The new models are reliable and resilient. With target MCBCs (mean copies between calls) ranging from 62,000 (MP C3004SP/ASP) to 100,800 pages (MP C6003SP), customers with average document volumes (5,000 to 15,000 pages) might expect to need one service visit every six to twelve months.

Using @Remote, the devices can be monitored in real-time enabling Ricoh's service operation to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Consumable yields and service parameters are provided below:

| Service and Supplies Specifications - MP C3004/MP C3504/MP C4504/MP C5504/MP C6004 Series | | | | | | |
|---|---|---|---|---|---|---|
| | | MP C3004SP/ ASP | MP C3504SP/ ASP | MP C4504SP/ ASP | MP C5504SP/ ASP | MP 6004SP |
| Document Volume | Average Monthly Volume | 5,000 pages | 7,000 pages | 10,000 pages | 12,000 pages | 15,000 pages |
| | Maximum Monthly Volume | 20,000 pages | | 50,000 pages | | |
| | Duty Cycle | 80,000 pages | | 200,000 pages | | |
| Consumable Yield | Black Toner | 29,500 prints per bottle | | 33,000 prints per bottle | | |
| | Colour Toner | 18,000 prints per bottle per colour | | 22,500 prints per bottle per colour | | |
| Maintenance Cycle | PM Cycle | 300,000 pages | | 400,000 pages | | |
| | MCBC | 62,000 pages | 69,000 pages | 89,300 pages | 93,000 pages | 100,800 pages |
| Service Life | Target Life (Mainframe) | 5 years or 1.2 million pages | | 5 years or 3 million pages | | |