

# d-COLOR

## MF454/MF554/MF654

### OUTSTANDING PROFESSIONALISM IN COLOUR

The A3 colour Multifunctional systems the Olivetti d-Color MF454, d-Color MF554 and d-Color MF654 provide **advanced functionalities** for improving day-to-day productivity while delivering exceptional **print quality** and finishing capabilities.

The advanced features of these multifunctional systems are complemented by their extreme **ease of use, a 10.1" operator touch-screen** and many opportunities for mobile device and cloud printing.

An extensive **selection of options** is available for maximising paper handling techniques and providing a wealth of flexible configurations to satisfy the most demanding users.

These models meet the rigorous standards set, world-wide, to provide the **lowest possible environmental impact**, based on low energy consumption levels and the extensive use of recycled and recyclable materials, while adopting the most effective solutions for **secure data management**.



**COLOUR MULTIFUNCTIONAL DIGITAL SYSTEMS**

**COLOUR AND MONO SPEEDS PER PAGE - 45 PPM (d-Color MF454),  
55 PPM (d-Color MF554), 65 PAGES (d-Color MF654)**

**300-SHEET ORIGINAL FEEDER WITH DUAL SCAN CAPABILITIES AND SCAN  
SPEEDS UP TO 240 IMAGES PER MINUTE (IPM)**

**10.1" TOUCH-SCREEN WITH NEW INTUITIVE USER INTERFACE**

**NFC AND BLUETOOTH® CONNECTION AREA INTEGRATED ON THE OPERATOR  
PANEL**

**INTEGRATED WEB BROWSER, AIRPRINT® AND GOOGLE CLOUD PRINT™  
PRINTING**

**SECOND OPTIONAL HARD DISK WITH DATA BACK-UP FUNCTION**

**NEW "Z" FOLDING UNIT, ZU-609, INTEGRATED INSIDE THE FS-537 FINISHER  
(optional)**

**PRODUCTION OF "SEARCHABLE PDF " FILES OR OPTIMISED FILES FOR MS  
OFFICE USING OCR SCANNING FUNCTION (optional)**

# d-COLOR

## MF454/MF554/MF654



*New 10.1" Touch-screen and NFC  
Authentication Area*



*Configuration with SF-537SD Finisher,  
PI-507 Post-Insert, RU-513 Connection  
Unit, PC-215 Drawers, LU-207 Side Drawer*

### ELEGANT EFFICIENCY

The d-Color MF454, d-Color MF554 and d-Color MF654 are highly technological systems designed specially to meet the most exacting user demands in terms of quality and productivity.

The d-Color MF454, d-Color MF554 and d-Color MF654 continue to provide all the features that have made the Olivetti A3 colour MFP range one of the most successful on the market but now these features have been greatly improved. Many new functionalities have been added to improve ease of use and productivity and further developments have been introduced to satisfy the most stringent environmental regulations and energy consumption reductions.

The d-Color MF454, d-Color MF554 and d-Color MF654 have a large 10.1" touch-screen with an intuitive user interface designed to be consistent with those used on PCs, tablets and smartphones. The user interface can be customised both visually and practically according to user preferences. In addition, useful "widgets" also can be displayed containing operational notes or warnings.

Airprint® functionality, provided as standard, allows printing from iOS devices, Compatibility with Google Cloud Print™ is possible though the installation of a specific software connector and they also support a wide variety of managed print service solutions

Additionally, on the operator panel of the the d-Color MF454, d-Color MF554 and d-Color MF654, a special area is provided for connecting NFC (Near Field Communication) technology devices, allowing users to be authenticated for using the multifunctional systems. The Bluetooth® communications function can be added, as an option, to this area.

### CONVINCING PAPER HANDLING

The d-Color MF454, d-Color MF554 and d-Color MF654 have been designed to respond to the demands of constant heavy workloads. The basic paper capacity of 1,150 sheets can be increased to a maximum of 6,650 sheets using the new LU-302, a 3,000-sheet A4 side drawer. Front drawers are also now removable allowing paper jams to be cleared quickly and easily.

The new Dual Scan Document Feeder reads up to 300 sheets on both sides in a single pass, with speeds of up to 240 images per minute.

The FS-533 500-sheet finisher can be integrated inside these models as an alternative to the FS-536 3,000-sheet side finisher, featuring a 50-sheet stapler, or the FS-537 3,000-sheet side finisher with 100-sheet stapler; both of which can be connected using the optional RU-513. What is more, the ZU-609 “Z-Folding” unit can be installed within the FS-537 finisher allowing the overall configuration footprint to be kept to a minimum.

The d-Color MF654 comes as standard with a new air cleaning filter, CU-102, which available as an option for d-Color MF454 and d-Color MF554 models.

An IC-416 Fiery Controller and the VI-510 new video interface are available for graphic art applications.

## HEIGHTENED SECURITY

The HD-524 option consists of an additional Hard Disk

that can be synchronised with the Hard Disk supplied as standard in order to add an additional back-up solution and prevent data loss should the machine breakdown.

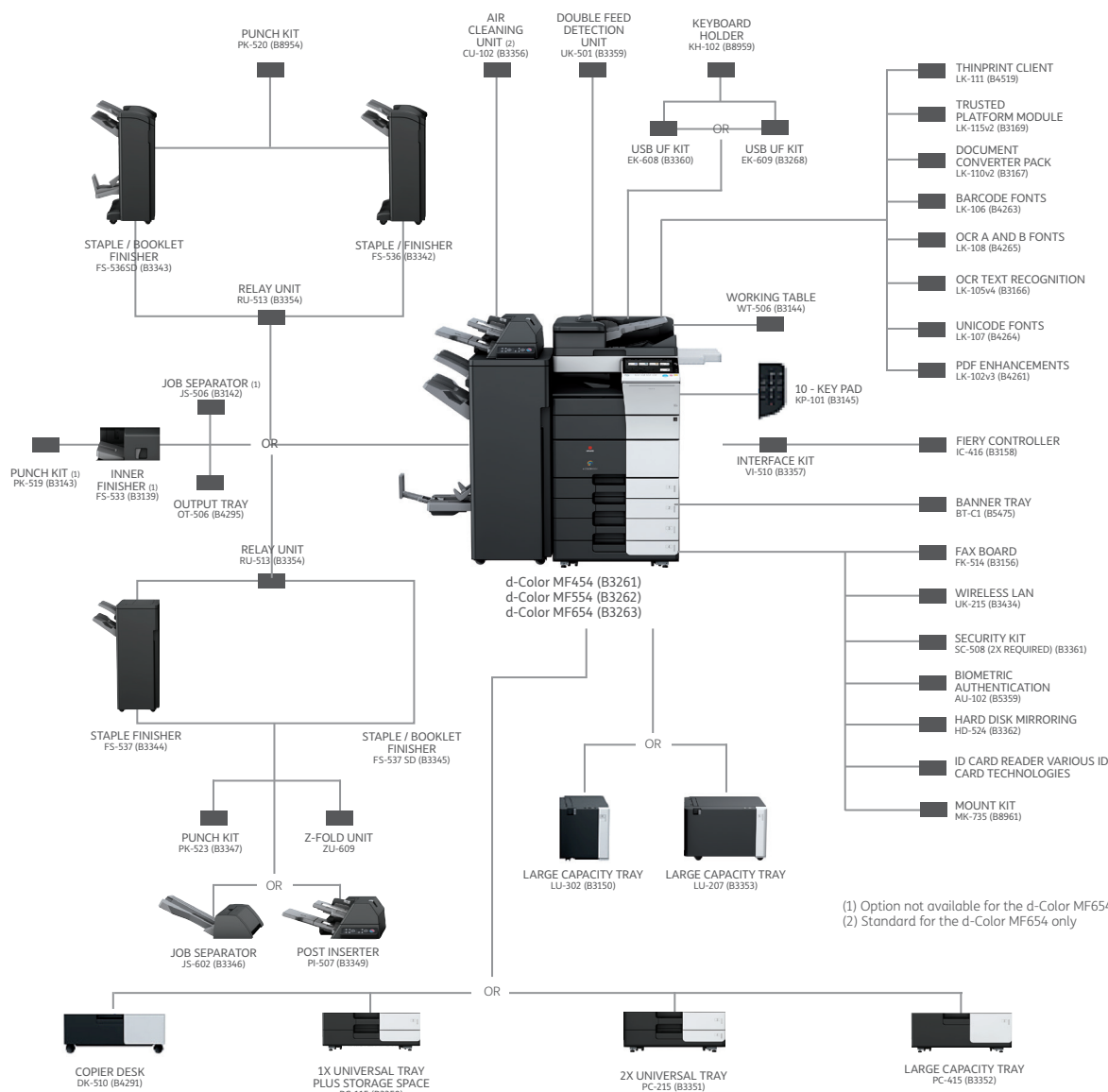
Access to these multifunctional systems can be controlled through user authentication systems such as card readers, which are available as options and designed to meet the most stringent of security standards. Authentication is also possible using Android mobile devices set up for NFC technology.

## ENVIRONMENTAL CARE

The new d-Color MF454, d-Color MF554 and d-Color MF654 multifunctional systems have low energy consumption levels of only 0.5 W in sleep mode and TEC (Typical Electric Consumption).

Over 35% of the total volume of resins used is composed of recycled/recyclable PC/PET materials, used in particular for originals feeder and paper drawer parts.

## CONFIGURATION LAYOUT



# TECHNICAL SPECIFICATIONS

## GENERAL

|   |  |
|---|--|
| Type  | Console, Printer/Scanner/Copier  |
| Technology                                      | Semiconductor laser, 4 beam  |
| Integrated Duplex Unit                          | SRA3 - A5 paper formats (52 - 256g/m <sup>2</sup> )  |
| Copy Format : Max / Min                         | SRA3 - A6R, banner (1,200 x 297mm)   |
| Max. Document Format                            | A3   |
| Scanning Resolution                             | 600 x 600 dpi  |
| Printing / Copying Resolution                   | 1,200 x 1,200 dpi  |
| Grey Scale                                      | 256 levels   |
| RAM Capacity                                    | 4 GB   |
| Hard Disk Capacity                              | 250 GB   |
| Warm-up Time (Seconds)                          | d-Color MF454: 25 / d-Color MF554: 22 / d-Color MF654: 22  |
| Time for First Copy in Mono (Sec)               | d-Color MF454: 4.0 / d-Color MF554: 3.5 / d-Color MF654: 3.0   |
| Time for First Copy in Colour (Sec)             | d-Color MF454: 5.1 / d-Color MF554: 4.4 / d-Color MF654: 4.0   |
| Mono & Colour copying speed (Simplex/Duplex)    | d-Color MF454: 45ppm A4/22ppm A3; d-Color MF554: 55ppm A4/27ppm A3; d-Color MF654: 65ppm A4/32ppm A3 |
| Zoom  | 25% - 400% in steps of 0.1   |
| Tray 1 Paper Capacity                           | 500 sheets size A5R - A3, 80g m <sup>2</sup>   |
| Tray 2 Paper Capacity                           | 500 sheets size A5R - SRA3 (320 x 450mm), 80g/m <sup>2</sup>   |
| By-pass Tray Capacity                           | 150 sheets format A6L - SRA3 (320 x 450mm), Banner (1,200 x 297mm), 80g/m <sup>2</sup>               |
| Paper Weight in Tray 1-2                        | 52 - 256 g/m <sup>2</sup>  |
| Paper Weight in By-pass Tray                    | 60 - 300 g/m <sup>2</sup>  |
| Max Paper Capacity in Additional Optional Trays | 6,650 A4 sheets or 4,650 A3 sheets   |

|   |   |
|---|---|
| Interfaces  | Ethernet (10BASE-T/100BASE-TX/1000BASE-T), USB 2.0, IEEE 802.11 b/g/n (optional), Bluetooth LE (optional) |
| Dimensions (W x D x H) Base Units                 | d-Color MF454, d-Color MF554: 615 x 693 x 961mm<br>d-Color MF654: 615 x 750 x 961mm                       |
| Max. Dimensions inc. Options                      | d-Color MF454, d-Color MF554: 2092 x 693 x 961mm<br>d-Color MF654: 2092 x 750 x 961mm                     |
| Weight (Kg)                                       | d-Color MF454: 110 / d-Color MF554: 110 / d-Color MF654: 113  |
| Power Supply                                      | 220 V ~ 240 V, 8.0A (50-60 Hz)  |
| Power Consumption, Max.                           | All models : 2000W  |
| Power Consumption while Printing                  | d-Color MF454: 860W d-Color MF554: 1110W d-Color MF654: 1120W   |
| Power Consumption in Stand-by/ Energy Saving Mode | d-Color MF454: 46.4W d-Color MF554: 100.1W<br>d-Color MF654: 95.7W  |
| Power Consumption in Sleep Mode                   | d-Color MF454: 0.5W d-Color MF554: 0.5W, d-Color MF654: 0.5W  |
| TEC (Total Electricity Consumption) kWh/week      | d-Color MF454: 2.5 / d-Color MF554: 3.041<br>d-Color MF654: 3.943   |

## PRINTER

|                                   |  |
|-----------------------------------|--|
| CPU                               | ARM Cortex-Dual-core 1.6GHz  |
| Memory                            | Shared with copying function   |
| Printing Speed Mono & Colour (A4) | d-Color MF454: 45ppm A4 / 22ppm A3;<br>d-Color MF554: 55ppm A4 / 27ppm A3;<br>d-Color MF654: 65ppm A4 / 32ppm A3   |
| Hard Disk                         | Shared with copying function   |
| Printing Resolution               | 1,200 x 1,200 dpi, or 1,800 dpi (equivalent) x 600 dpi   |
| PDL                               | PCL 6 (ver. 3.0) Emulation, PCL 5 e/c Emulation, PostScript 3 Emulation, XPS v. 1.0<br>TCP/IP (IPv4, IPv6), IPX/SPX (ND support), SMB (NetBEUI), LPD, IPP1.1, SNMP |
| Protocols                         |  |
| Operating Systems                 | Windows Vista / 7 / 8 / 8.1 / 10 (32-64)<br>Windows Server 2008 / 2008 R2 / 2012 / 2012 R2<br>Mac OS X (10.6 and later), Linux, Citrix, Unix                       |
| PCL Font                          | 80 x PCL AgfaMicro Type  |
| PS Font                           | 137 x PS3 AgfaMicro Type   |

## SCANNING

|                     |  |
|---------------------|--|
| Type                | Colour Scanner   |
| Interfaces          | Ethernet (10BASE-T/100BASE-TX/1000BASE-T), IEEE 802.11 b/g/n (optional)  |
| Driver              | Network TWAIN driver, HDD TWAIN driver   |
| Protocols           | TCP/IP (FTP, SMB, SMTP)  |
| Document Feeder     | Standard, duplex in single pass, 300-sheet capacity (A4 format, 80g/m <sup>2</sup> )   |
| Scanning Speed      | Simplex Mode: 80/75 ipm (600dpi, mono and colour), 120 ipm (300dpi, mono and colour)   |
| Max Scanning Size   | Duplex Mode: 160/150 ipm (600dpi, mono and colour), 240 ipm (300dpi, mono and colour)  |
| Output Formats      |  |
| Scanning Resolution | A3   |
| Main Functions      | TIFF, JPEG, PDF, Compact PDF, XPS, Compact XPS, OOXML pptx, xlsx, docx (opt.), Searchable PDF (opt.), PDF/A (opt.), Linearised PDF (opt.) 100, 200, 300, 400, 600 dpi; Scan to E-Mail, Scan to me, Scan to SMB, Scan to Home, Scan to FTP, Scan to Box (HDD), Scan to URL, Network TWAIN Scan, Scan to WebDAV, Scan to USB, Scan to DPWS |

Performance relates to use of the product under optimal conditions.  
Right reserved to modify technical specifications.  
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All other registered trademarks are the property of their respective owners.

The d-Color MF454/ d-Color MF554/ d-Color MF654 systems are distributed by Olivetti S.p.A. (11/2016) - Codice: 49504-00-w

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## FIERY IC-416, VI-510 OPTIONAL PRINTER

|                   |  |
|-------------------|--|
| CPU               | CPU Type @ 2.9GHz  |
| PDL               | Adobe PostScript 3, PCL6, PCL5c  |
| Operating Systems | Windows Vista / 7 / 8 / 8.1 (32-64)<br>Windows Server 2008 / 2008 R2 / 2012 / 2012 R2<br>Mac OS X 9.x and 10.x |

## FAX (OPTIONAL) & INTERNET FAX

|                                 |   |
|---------------------------------|---|
| Communications                  | Super G3  |
| Super G3 Fax Interface          | Public Switched Telephone Network, Private Branch Exchange  |
| Resolution                      | Ultra Fine 600 x 600dpi, Super Fine 400 x 400dpi, Fine 200 x 200 dpi, Normal 8 dots/mm x 3.85 dots/mm<br>33.6 kbps with Automatic Fall Back |
| Modem Speed                     | MH/MR/MMR/JBIG  |
| Compression                     | A3  |
| Max. Transmission Format        | A3  |
| Max. Reception Format           | A3  |
| Transmission Time per Page      | Less than 2 sec. (A4, V.34, 33.6 kbps, JBIG)  |
| Agenda with Abbreviated Numbers | Up to 2,000 numbers   |
| Internet Protocol               | TX: SMTP; RX: POP3, TCP/IP Simple mode  |
| Internet Interface              | Ethernet (10-Base-T/100-Base-TX/1000-Base-T)  |
| Fax Internet Format             | TIFF  |

## OTHER MAIN OPTIONS

|                  |   |
|------------------|---|
| PC-115           | 500-sheet capacity Tray, A3-A5 formats, weight 52-256 g/m <sup>2</sup>                        |
| PC-215           | 2 x 500-sheet capacity Tray, A3-A5 formats, weight 52-256 g/m <sup>2</sup>                    |
| PC-415           | 2,500-sheet capacity Tray, A4 format, weight 52-256 g/m <sup>2</sup>                          |
| LU-302           | 3,000-sheet Large Capacity Side Tray, A4 format, weight 52-256 g/m <sup>2</sup>               |
| LU-207           | 2,500-sheet Large Capacity Side Tray, max format SRA3, weight 52-256 g/m <sup>2</sup>         |
| DK-510           | Support Table to use instead of Tray  |
| FS-533           | 500-sheet integrated Finisher with stapling of up to 50 A4 sheets or 30 A3 sheets             |
| PK-519           | 2 or 4 Hole-punch Unit for FS-533 Finishers   |
| FS-536           | 3,200-sheet External Finisher with stapling of up to 50 sheets                                |
| FS-536SD         | Same as FS-536 with the addition of a Passbook Folding Unit with Saddle-stitching             |
| PK-520           | 2 or 4 Hole-punch Unit for FS-536 and SF-536SD Finishers                                      |
| FS-537           | 3,200-sheet External Finisher for stapling up to 50 sheets                                    |
| FS-537SD         | Same as FS-537 but with the addition of a Passbook Folding Unit with Saddle-stitching         |
| PK-523           | 2 or 4 Hole-punch Unit for FS-537 and SF-537SD Finishers                                      |
| RU-513           | Connection module for FS-536, FS-536SD, FS-537, FS-537SD Finishers                            |
| PI-507           | Insertion Unit for pre-printed materials, stapling, manual folding and stapling for FS-537/SD |
| ZU-609           | Z-Folding Unit for installing in FS-537/SD  |
| JS-602           | Job Separator for FS-537/SD Finisher  |
| KP-101           | Numeric Keyboard  |
| AU-102           | Biometric Authentication Unit   |
| WT-506           | Support Shelf for Authentication Unit   |
| FK-514           | Fax Super G.3 Kit (up to 2 can be installed)  |
| FS-506           | Job Separation Tray to mount instead of Finishers   |
| OT-506           | Job Collection Tray as an alternative to Finishers  |
| KH-102           | Support Shelf for External Alphanumeric Keyboard  |
| EK-608           | USB Interface Module  |
| EK-609           | Bluetooth™ connection + USB Interface Module  |
| RFID Card Reader | EM4100, EM4100 Manchester, Mifare Readers   |
| MK-735           | RFID Card Readers internal installation Unit  |
| SC-508           | Unauthorised Copying Prevention Unit  |
| BT-C1            | Banner Collection Tray  |
| UK-501           | Multiple Feed Detection Unit  |
| LK-102v3         | PDF Encryption Function, PDF/A 1b Support   |
| LK-105v4         | OCR for Searchable PDFs, PPTX, PDF/A 1a   |
| LK-106           | BARCODE Font Printing   |
| LK-107           | UNICODE Font Printing   |
| LK-108           | OCR Font Printing   |
| LK-110v2         | Generates OOXML Formats, including DOCX, XLSX, PDF/A  |
| LK-111           | Native Thin Print Client  |
| LK-115v2         | Trusted Platform Module (TPM)   |
| UK-215           | Wireless Access Point   |
| HD-524           | Additional Hard Disk for Backing-up Data on Main Disk   |
| KH-102           | Holder for External Keyboard  |

## d-Color MF454 /d-Color MF554 / d-Color MF654 CONSUMABLES

|  |  |
|--|--|
| Black Toner Cartridge (B1206)                  | Yield up to 28,000 pages (cover 5%)  |
| Cyan Toner Cartridge (B1207)                   | Yield up to 26,000 pages (cover 5%)  |
| Magenta Toner Cartridge (B1208)                | Yield up to 26,000 pages (cover 5%)  |
| Yellow Toner Cartridge (B1209)                 | Yield up to 26,000 pages (cover 5%)  |
| Black Drum (B1174)                             | d-Color MF454: up to 135,000 pages; d-Color MF554: up to 140,000 pages; d-Color MF654: up to 150,000 pages |
| C,M,Y Drum (B1175, one per colour)             | d-Color MF454, d-Color MF554: up to 100,000 pages;   |
| Black Developer Unit (B1210)                   | d-Color MF654: up to 105,000 pages   |
| Cyan Developer Unit (B1211)                    | Up to 600,000 pages  |
| Magenta Developer Unit (B1212)                 | Up to 600,000 pages  |
| Yellow Developer Unit (B1213)                  | Up to 600,000 pages  |
| d-Color MF454 (B1225) Fuser Kit                | Up to 600,000 pages  |
| d-Color MF554 /d-Color MF654 (B1226) Fuser Kit | Up to 1,200,000 pages  |
| Transfer Unit Kit (B1227)                      | Up to 300,000 pages  |
| Waste Toner Box                                | Yield up to 40,000 pages   |
| Metal Staples for FS-537/SD (B0662)            | 3 packs x 5,000 staples  |
| Metal Staples for FS-533, FS-536/SD (B0586)    | 3 packs x 5,000 staples  |