

## INITIAL INFORMATION

# d-COLOR

## MF223/MF283

## EFFICIENCY WITHIN EASY REACH

The new **d-Color MF223 and d-Color MF283 Multifunction Systems** are perfect for anyone looking for **quality technology** at an **affordable price**. **Reliable** and **simple to use**, they satisfy the **demands of the modern office** with **excellent paper capacity** (up to **3,600 sheets** with optional trays) and **modular flexibility** for the most demanding of needs. An **individual authentication process** allows access to up to **1,000 users** with **web surfing and printing** made easy via the practical **7" touch panel**. **Airprint® and NFC** (Near Field Communication) are standard functions and allow **mobile devices to connect directly to all functionalities** with user authentication and printing. A special software connector (optional) allows connection to **Google Cloud Print directly from the touch panel**. Finally, the **low energy consumption levels** allow **real cost savings** with **full eco-compatibility** through the use of **recycled and recyclable materials**.



**COLOUR MULTIFUNCTIONAL DIGITAL SYSTEMS**

**SPEED PER MINUTE: 22 PAGES (d-Color MF223), 28 PAGES (d-Color MF283)**

**A4 COLOUR & MONO**

**7" TOUCH PANEL WITH INTUITIVE USER INTERFACE**

**NFC (NEAR FIELD COMMUNICATION) CONNECTION AREA INTEGRATED IN OPERATOR PANEL**

**INTEGRATED WEB BROWSER, PRINTING USING AIRPRINT® & GOOGLE CLOUD PRINT (option)**

**PAPER CAPACITY 3,600 SHEETS MAX.**

**REDUCED ENERGY CONSUMPTION**

**OCR SCANNING OF "SEARCHABLE PDF" OR MS® OFFICE OPTIMISED FILES (option)**

**COMPACT DIMENSIONS**

# d-COLOR

## MF223/MF283



*New 7" touch panel with NFC authentication area and optional KP-101 numeric keypad*



*The d-Color MF283 equipped with DF-628 feeder, FS-534SD finisher and PC-214 trays*

### FUNCTIONAL AND ROBUST

The new **d-Color MF223 and d-Color MF283 Multifunction Systems** are **complete** and **simple-to-use** products. They are particularly suitable for **cost-conscious businesses and integrate seamlessly within** modern offices with their high levels of **reliability and the compatibility with the latest** technology.

### ALWAYS CONNECTED

For convenient direct access, these new Multifunctional Systems are equipped with a **7" touch panel** featuring an **intuitive user interface** similar to that of a PC, tablet or smartphone.

This interface coupled with the standard **web browser** allows surfing and printing directly from the internet on either model. Printing is also supported by **Android devices using NFC** (Near Field Communication) technology and **iOS devices communicating via Bluetooth LE** (optional). **Other types of connection can also be used for printing from devices: Airprint® is provided as standard** on both new models, while **Google Cloud Print** compatibility requires the installation of a **special software connector**.

### PRACTICAL AND RELIABLE

The **d-Color MF223 and d-Color MF283 Multifunctional Systems** are designed to handle intense workloads. The **standard paper capacity of 1,100 sheets** is divided between a **500-sheet A4 tray**, a **500-sheet maximum capacity A3 format tray** and a **100-sheet by-pass tray for formats from A6 to A3 size**. With the **optional PC-414 2,500-sheet tray**, the paper capacity can be increased to a **maximum of 3,600 sheets**.

For even greater productivity a **DF-628 originals feeder** can be added to the **d-Color MF223 and d-Color MF283**, for **duplex scanning**.

As an alternative to the **3,000-sheet FS-534 lateral finisher**, an **FS-533 500-sheet finisher** can be integrated within these models, with connection provided by the **new RU-514 option**. Moreover, the **FS-534SD finisher allows booklets of up to a maximum of 20 sheets to be produced** with centre stapling. To complete the finishing options, a **perforator option** is available for all finishers.

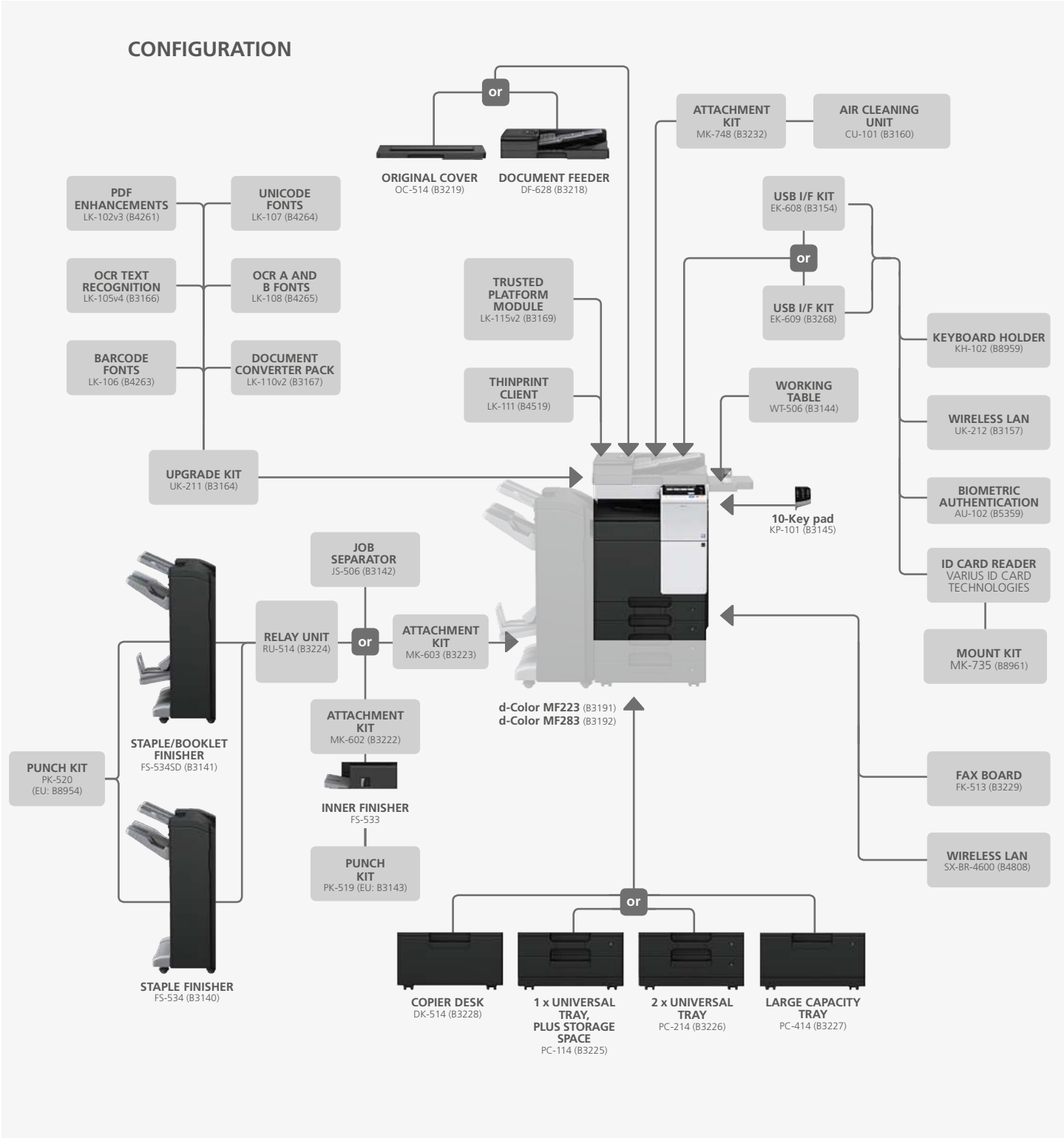
INSTRUMENTS TO SHARE

In an ideal working environment it should be possible to share all instruments available in the office. The **d-Color MF223** and **d-Color MF283** provide access to up to 1,000 users. Each user has their own **personal profile** set up by the system administrator determining the functions they can use. **Individual authentication** is possible via the **touch panel** using one of the card readers available or the **AU-102 biometric reader** (Finger Vein Mapping Recognition).

These new models are also compatible with network authentication based on **Active Directory**.

**LOW ENVIRONMENTAL IMPACT**

Genuine savings are possible through demonstrating true respect for the environment. In fact, the new **d-Color MF223** and **d-Color MF283** have **reduced energy consumption levels** in both Sleep Mode and Operating Mode, resulting in one of the lowest TEC (Typical Electricity Consumption) parameter values, and are made of recycled and recyclable materials.



TECHNICAL SPECIFICATIONS

GENERAL

Type	Desktop, Printer/Scanner/Copier
Technology	Laser semiconductor, 4 beams
Integrated Duplex Unit	Paper formats A3-A5 (60-256g/m²)
Copy Format: max./min.	A3/A6
Max. Document Format	A3
Scanning Resolution	600 dpi
Copy Resolution	1,800 dpi (equivalent) x 600 dpi
Grey Scale	256 levels
Memory Capacity	2 GB standard / 4 GB optional
Hard Disk Capacity	250 GB
Warm-up Time	20 sec.
Time for First Copy in Mono	6.8 sec.
Time for First Copy in Colour	8.4 sec
Copying speed Mono & Colour (A4)	MF223: 22 copies per minute MF283: 28 copies per minute
Zoom	25%-400% in steps of 0.1
Tray 1 Paper Capacity	500 sheets max. with 80g/m², format A4
Tray 2 Paper Capacity	500 sheets max. with 80g/m², format A3
By-pass Tray Capacity	100 sheets max. with 80g/m², format A3
Trays 1/2 Paper Weight	60-256 g/m²
By-pass Tray Paper Weight	60-256 g/m²
Max. Paper Capacity with Optional Trays	3,600 A4 sheets or 2,100 A3 sheets
Dimensions & Weight (W x D x H)	Basic unit 571 x 660 x 779 mm, 72kg With options (max.) 1,545 x 786 x 1,160 mm
Power Supply	220-240V, 8.0A, (50-60Hz)
Power Consumption	Max. 1,500W Sleep mode MF223: 0,8W Sleep mode MF 283: 0,5W
TEC (Total Electricity Consumption)	d-Color MF223: 0.994 kWh/week d-Color MF283: 1.337 kWh/week

PRINTER

CPU	ARM Coretex Dual-core 1.2GHz
Memory	Shared with copy function
Printing Speed Mono & Colour (A4)	d-Color MF223: 22 copies per minute d-Color MF283: 28 copies per minute
Hard Disk	Shared with copy function
Printing Resolution	1,800 dpi x 600 dpi equivalent
PDL	PCL 6 (PCL5c + XL 3.0), PostScript 3 Emulation, XPS
Protocols	TCP/IP (IPv4, IPv6), IPX/SPX, SMB (NetBEUI), LPD, IPP1.1, SNMP, HTTP
Operating Systems	Windows Vista / 7 / 8 / 8.1, 10 (each 32/64 bit); Windows Server 2008 / 2008 R2 / 2012 / 2012 R2; Mac OS X (10.6 / 10.7 / 10.8 / 10.9 / 10.10), Linux
PCL Fonts	80 outline fonts
PostScript 3 Fonts	137 outline fonts
Interfaces	Ethernet (10-Base-T/100-Base-TX/1,000-Base-T), USB 2.0, IEEE 802.11 b/g/n (optional UK-212), Bluetooth LE (optional EK-609)

SCANNING

Type	Colour Scanner
Interfaces	Ethernet (10-Base-T/100-Base-TX/1000-Base-T); IEEE 802.11 b/g/n (optional)
Driver	TWAIN driver, HDD TWAIN driver
Protocols	TCP/IP (FTP, SMB, SMTP)
Scanning Speed (Colour & Mono, 300 dpi, A4, simplex)	Up to 45 ipm (with Document Feeder)
Max. Scanning Format	A3 (with Document Feeder), or 297 x 431.8 from platen glass
Output Formats	TIFF, JPEG, PDF, Compact PDF, XPS, Compact XPS, PPTX, .XSLX, .DOCX (opt.), Searchable PDF (opt.), PDF/A (opt.), Linearised PDF (opt.)
Scanning Resolution	600 x 600 dpi max.
Main Functions	Scan-to-E-Mail, Scan-to-Me, Scan-to-SMB, Scan-to- Home, Scan-to-FTP, Scan-to-Box, Scan-to-USB, Network TWAIN scan, Scan-to-WebDAV

FAX (OPTIONAL FK-513) & INTERNET FAX

Communications	Super G3
Super G3 Fax Interface	Public Switched Telephone Network, PBX
Modem Speed	33.6 kbps with Automatic Fall Back
Compression	MH / MR / MMR /JBIG
Max. Transmission Format	A3 max.
Max. Reception Format	A3 max.
Transmission Time per Page	Less than 3 sec. (A4, V.34, 33.6 kbps, JBIG)
Agenda with Abbreviated Numbers	Up to 2,000 numbers
i-Fax Protocol	TX: SMTP; RX: POP3, TCP/IP
IP-Fax Interface	Ethernet (10-Base-T/100-Base-TX/1000-Base-T)
Fax Internet Format	TIFF

OTHER MAIN OPTIONS

DF-628	Automatic Duplex Document Feeder Capacity up to 100 sheets 80g/m² Max. paper format A3 Original weights 35-128 g/m² (simplex reading only) Original weights 50-128 g/m² (duplex/mix mode reading)
OC-511	Basic platen glass cover
PC-114	1 x 500 A3/A5 sheet tray (80g/m²), paper weight 60-256 g/m²
PC-214	2 x 500 A3/A5 sheet tray (80g/m²), paper weight 60-256 g/m²
PC-414	1 x 2,500 A4 Sheet Tray (80g/m²), paper weight 60-256 g/m²
HT-509	Heater for paper trays
MK-734	Mount Kit for heater HT-509
DK-514	Copy Desk (metal)
FS-533	Integrated Staple Finisher up to 500 sheets capacity
PK-519	2 or 4-Hole Punch Unit for FS-533 finisher
FS-534	External Staple Finisher for up to 3,000 sheets
FS-534SD	External Staple Finisher/Booklet & Tri-fold Up to 3,000 sheets capacity, including Tri-fold and Centre-staple function for Booklets
RU-514	Mandatory Bridge Unit to connect FS-534 and FS-534SD Finishers
MK-602	Mandatory for connecting Finisher FS-533
MK-603	Mandatory to connect Finishers FS-533, FS-534 & FS-534SD
PK-520	2 or 4-Hole Punch Unit for FS-534 / SD Finishers
JS-506	Job Separation Tray to be used in place of Finishers for offset group/sort
AU-102	Biometric Authentication Kit
USB Authentication Units	Card Reader CRv2 Unique 125kHz Card Reader CRv2 ASK SFK 125kHz Card Reader CRv2 Multi-reader HF 13.56MHz
MK-735	Mount Kit for internal Card Reader installation
SX-BR-4600	WLAN Connection Kit
UK-212	WLAN Access Point
KH-102	External Keyboard Holder
EK-608	USB Interface Kit for External Keyboard
EK-609	USB + Bluetooth for connecting Mobile devices
SC-508	Security Copy Guard Kit
i-Option	LK-102v3: PDF encryption, PDF/A 1b LK-105v4: OCR searchable, PPTX LK-106: Barcode font printing LK-107: Unicode font printing LK-108: OCR font printing LK-110v2: DOCX, XLSX and PDF/A format generation LK-111: Native ThinPrint client LK-115v2: Trusted Platform Module
UK-211	2GB Memory Kit for i-Option
CU-101	Cleaning filter to improve indoor air quality
MK-748	Mandatory option to install CU-101
WT-506	Working Table to accommodate the authentication kit on
FK-513	Fax Kit
SP-501	Stamp Unit for original to be sent by fax

d-Color MF223/d-Color MF283 CONSUMABLES

Black Toner	Capacity up to 24,000 pages (cover 5%) (B1194)
Colour Toner	Capacity per colour up to 21,000 pages (cover 5%) Cyan (B1195), Magenta (B1196), Yellow (B1197)
Black Drum	Capacity on d-Color MF223 up to 80,000 pages (B1198) Capacity on d-Color MF283 up to 105,000 pages (B1198)
Black Developer Unit	Life up to 600,000 pages (B1199)
Colour Imaging Units (One required per colour)	Capacity on d-Color MF223 up to 70,000 pages Capacity on d-Color MF283 up to 90,000 pages Cyan (B1200), Magenta (B1201), Yellow (B1202)
Waste Toner Box WX-105	Capacity approx. 22,000 printouts (B1203)
Fuser Kit	Life up to 600,000 pages (B1204)
Transfer Unit Kit	Life 300,000 pages (B1205)
Staple cartridge SK-602	3 sets - 5,000 staples each

Performance refers to an appropriate use of the product under optimal conditions.  
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The d-Color MF223/MF283 are distributed by Olivetti S.p.A.  
(03/16) - Code: 49472-01

