d-**Color**
MF459en, MF559en, MF659en

SIMPLICITY, SECURITY, AND TOP PERFORMANCES IN A SINGLE DEVICE

Recent changes in the workplace have profoundly altered professional practices and habits, leading businesses to concentrate on such issues as cost reduction, health in the workplace, environmental sustainability and communication security, without compromising the efficiency and quality of their work.

Designed for offices with high workloads, the MF459en, MF559en and MF659en models of multifunction, A3 d-Color printers are fully suited to the needs of the new workplace, integrating with ease into the workflows of the modern office and accelerating the processes of printing, archiving and finishing.
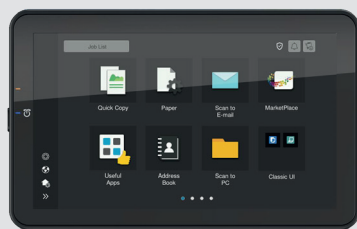
The versatility of their many functions is further enhanced by a vast range of options and the possibility of customising the operation panel, to satisfy even the most demanding user.

The MF459en, MF559en and MF659en models of multifunction, A3 d-Color printers not only facilitate the day-to-day operations of printing, copying and scanning, but also incorporate a series of features designed to guarantee data protection and promote sustainable printing practices.

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Intuitive panel, easily accessible, icons customisable thanks to a simple drag & drop function

Configuration with PC-216 and FS-539SD

SIMPLE, INTUITIVE USE

With the option of organising applications into folders based on subject or frequency of use through a simple **Drag & Drop function**, just like on mobile devices, the interface offers users a far easier, quicker and more intuitive experience accessing the device.

Moreover, many of the most frequently used options, like the removal of shadows from documents, secure printing and booklet formation, have been added to the operation panel as part of the "Useful apps" folder.

VALUABLE ASSISTANCE FOR WORK OPTIMISATION

The **integrated IM-503 Intelligent Media Sensor**, which comes as standard, can detect the type and thickness of paper before printing begins. It then allows the device to manage paper settings automatically, adjusting the print settings based on the user's needs.

The OT-513 paper output tray has advanced sensors that optimise paper management during the printing process, reducing the risk of paper jams and improving overall reliability.

The **FS-P04** off-line corner stapler (optional), now also compatible with the MF459en, MF559en and MF659en d-Color models, expands the available options, offering users an efficient and compact solution for those who only need the stapling function, without the need to add a separate finishing unit.

Data archival is simple and flexible thanks to the 256 GB SSD hard disk provided as standard, which can be increased to 1 TB with the EM-908 option.

The IC-420 Fiery Controller is an advanced solution for controlling printing operations; offering professional print quality tools, workflow automation and data security, it is an excellent choice for companies and professionals that require advanced tools to manage complex printing jobs.
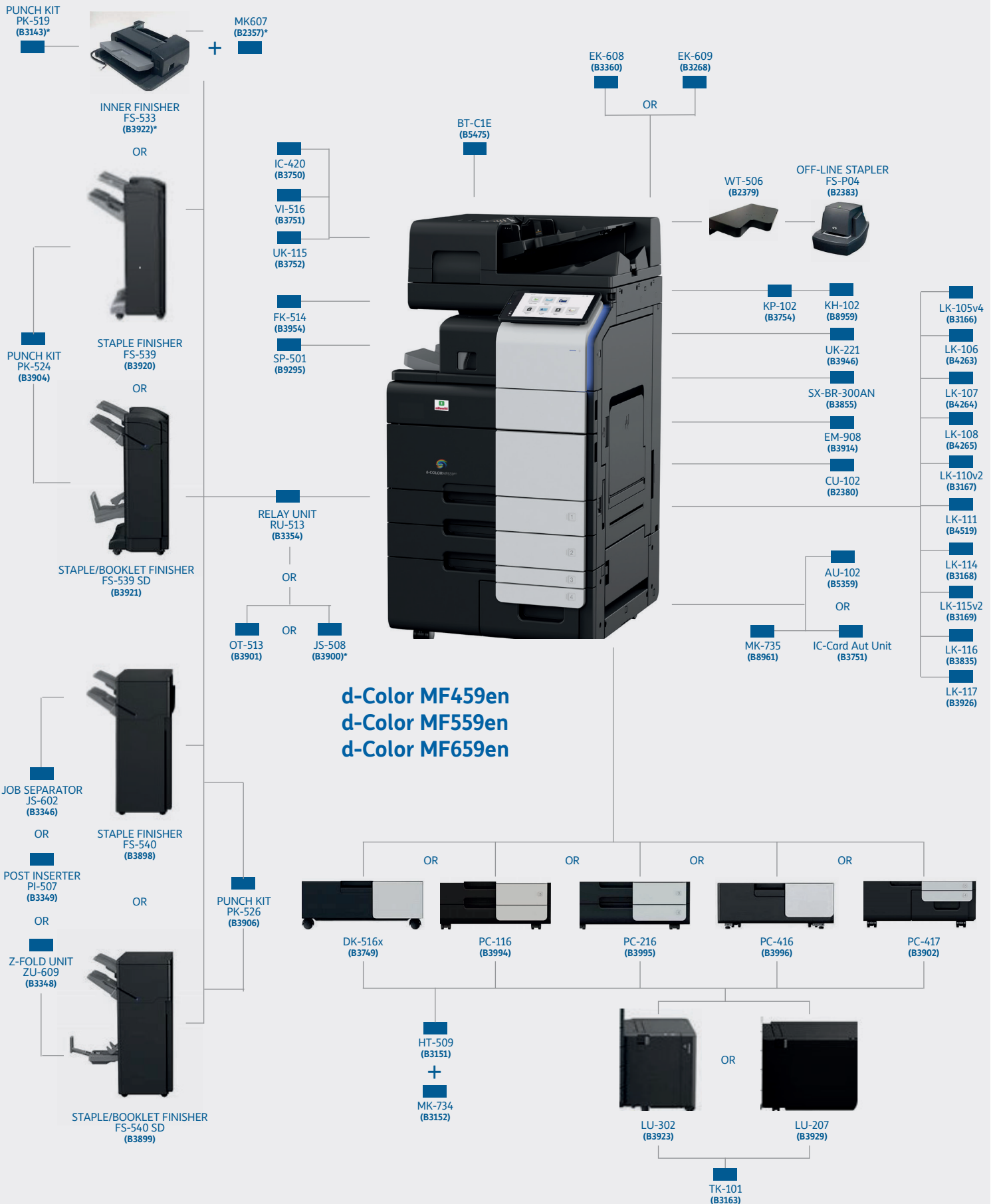
ADVANCED SECURITY MEASURES AND ENVIRONMENTAL SUSTAINABILITY

The MF459en, MF559en and MF659en d-Color machines feature advanced technologies that guarantee the protection of corporate data and printing operations. Sophisticated authentication systems allow the functions of the device to be accessed only by authorised users. Options include the use of PINs, passwords and identification badges (optional), or **AU-102** biometric authentication (optional). Print and document data are encrypted using advanced algorithms (**AES 256 Hard drive data encryption**); while the **overwriting of data** stored in the disc unit ensures that sensitive information is adequately protected.

The MF459en, MF559en and MF659en d-Color printers feature security measures such as **IP filtering**, which allows network connections to be controlled and managed based on the user's IP address; and **port blocking**, which can block or allow traffic through specific network ports to prevent unauthorised access and protect devices. They also support both **IPsec protocol**, which encrypts data transmitted on the network to prevent unauthorised access and guarantee the security of communications; and **SSL/TLS protocol**, which protects connections between the device and the network client through encryption. Network access management consists of **IEEE 802.1X authentication**, which makes sure that only authorised devices can connect to the network. The **Authentication Log** function provides information for the monitoring of activities and verification of any unauthorised access.

The MF459en, MF559en and MF659en d-Color printers have been designed to be eco-friendly and enable sustainable printing practices. The energy-saving settings, the use of eco-friendly packaging and recycled plastics, and the long-lasting nature of some components all help to reduce the environmental impact and keep costs down.

CONFIGURATION LAYOUT

PUNCH KIT
PK-519
(B3143)*

MK607
(B2357)*

INNER FINISHER
FS-533
(B3922)*

OR

IC-420
(B3750)

VI-516
(B3751)

UK-115
(B3752)

STAPLE FINISHER
FS-539
(B3920)

FK-514
(B3954)

SP-501
(B9295)

PUNCH KIT
PK-524
(B3904)

OR

STAPLE/BOOKLET FINISHER
FS-539 SD
(B3921)

RELAY UNIT
RU-513
(B3354)

OR

OT-513
(B3901)

OR

JS-508
(B3900)*

BT-C1E
(B5475)

EK-608
(B3360)

EK-609
(B3268)

OR

WT-506
(B2379)

OFF-LINE STAPLER
FS-P04
(B2383)

KP-102
(B3754)

KH-102
(B8959)

UK-221
(B3946)

SX-BR-300AN
(B3855)

EM-908
(B3914)

CU-102
(B2380)

AU-102
(B5359)

OR

MK-735
(B8961)

IC-Card Aut Unit
(B3751)

LK-105v4
(B3166)

LK-106
(B4263)

LK-107
(B4264)

LK-108
(B4265)

LK-110v2
(B3167)

LK-111
(B4519)

LK-114
(B3168)

LK-115v2
(B3169)

LK-116
(B3835)

LK-117
(B3926)

d-Color MF459en
d-Color MF559en
d-Color MF659en

JOB SEPARATOR
JS-602
(B3346)

OR

STAPLE FINISHER
FS-540
(B3898)

POST INSERTER
PI-507
(B3349)

OR

Z-FOLD UNIT
ZU-609
(B3348)

OR

PUNCH KIT
PK-526
(B3906)

STAPLE/BOOKLET FINISHER
FS-540 SD
(B3899)

OR

DK-516x
(B3749)

OR

PC-116
(B3994)

OR

PC-216
(B3995)

OR

PC-416
(B3996)

OR

PC-417
(B3902)

HT-509
(B3151)

+

MK-734
(B3152)

LU-302
(B3923)

OR

LU-207
(B3929)

TK-101
(B3163)

Option not available for the model MF659en

TECHNICAL SPECIFICATIONS

GENERAL
Console Type, Printer/Scanner/Copier
Operation panel: 10.1" / 1024 x 600 (resolution)
CPU: ARM Cortex A72 CPU Quad Core 1.6GHz.
RAM memory: 8 GB std.
Hard disk: 256 GB SSD (std.) / 1 TB SSD (opt.)
Interfaces: Ethernet 10/100 / 1,000-Base-T; USB 2.0; Wi-Fi 802.11 b/g/n/ac (opt)
Network protocols: TCP/IP (IPv4 / IPv6); SMB; LPD; IPP; SNMP; HTTP(S); Bonjour
Max./min. format SRA3-A6R, banner (1,200x297mm)
Tray weight: 52-256 g/m²
Automatic document feeder: Standard, single pass duplex, 300-sheet capacity, A6-A3, 35–210 g/m²
Paper capacity: (std.) up to 1,150 sheets. Tray 1: 500 sheets; A6-A3 formats; custom formats; Tray 2: 500 sheets; A5-SRA3 formats; custom formats;
Paper capacity: (with options) up to 6,650 sheets;
Manual bypass: 150 sheets; A6-SRA3; custom formats; Banner; 60-300 g/m²
Automatic Duplex: A5-SRA3; 52-256 g/m²
Finishing options: Offset; Group; Collation; Basic; Hole-punching; Saddle folding; Letter; Booklet
Std./opt. paper output: up to 250 sheets / 3,300 sheets
Print volumes (monthly): MF459en/MF559en/ MF659en Rec. 40,000/50,000/53,000 pages; Max. 200,000/200,000/250,000 pages
Power consumption: 220-240V, 10A (50/60 Hz); less than 1.58 kW (MF459en) less than 2.00 kW (MF559en-MF659en)
System Measurements: (W x D x H) 615 x 688 x 779 mm (without options)
System weight: approx. 100 kg (without options)

COPY FUNCTIONS
Technology: Laser
A4 copy speed (B&W and colour): up to 45 ppm (MF459en), up to 55 ppm (MF559en), up to 65 ppm (MF659en)
A3 copy speed (B&W and colour): Up to 22 ppm (MF459en), up to 27 ppm (MF559en), up to 32 ppm (MF659en)
First copy time (B&W and colour): 3.8 / 5.0 secs (MF459en), 3.3 / 4.3 secs (MF559en), 2.8 / 3.8 secs (MF659en)
Warm-up time: Approx. 12/13 sec. (B&W/colour) Warm-up time can vary depending on the operating environment
Copy resolution: 600 x 600 dpi
Shades: 256
Multiple copies: 1-9,999
Format of original: A3 or less
Magnification: 25-400% in 0.1% increments; Auto-zoom

PRINT FUNCTIONS
Print resolution: 1,800 (equivalent) x 600 dpi; 1,200 x 1,200 dpi
Print speed: A4 (B&W and colour) up to 45 ppm (MF459en), 55 ppm (MF559en), 65 ppm (MF659en)
Page description language: PCL 6 (XL3.0); PCL 5c; PostScript 3 (CPSI 3016); XPS
Operating systems: Windows 10 (32/64); Windows 11; Windows Server 2012; Windows Server 2012 R2; Windows Server 2016; Windows Server 2019; Windows Server 2022; macOS 10.14 or later; Unix; Linux; Citrix
Printing fonts: 80 PCL Latin; 137 PostScript 3 Emulation Latin; Barcode printing fonts (optional); OCR A and B fonts (optional); Unicode printing fonts (optional)
Mobile printing: AirPrint (iOS); Mobile Print app (iOS/ Android); WiFi Direct® (opt.)

PRINT FUNCTIONS (OPTIONAL)
Print controller: Embedded Fiery IC-420 v2
CPU Controller: Intel Celeron G4900T @ 2.9 GHz
Memory/HDD: 4,096 MB / 500 GB
Page description language: Adobe PostScript 3 (CPSI 3020); PCL 6; PCL 5c

SCAN FUNCTIONS
Scan speed (B&W / colour): Up to 140/140 ipm simplex, up to 280/280 ipm duplex
Scan resolution: up to 600x600 dpi

Scan modes: Scan-to-Email (Scan-to-Me); Scan-to-SMB (Scan-to-Home); Scan-to-FTP; Scan-to-box; Scan-to-USB; Scan-to-WebDAV; Scan-to-DPWS; Scan-to URL; TWAIN Scanning
File formats: JPEG; TIFF; PDF; compact PDF; encrypted PDF; XPS; compact XPS; PPTX; searchable PDF (opt.); PDF / A 1a and 1b; searchable DOCX / PPTX / XLSX (opt.)
Scan destinations: 2,000 single + 100 group; LDAP support

FAX FUNCTIONS (FK-514 OPT.)
Communication: Super G3
Fax transmission: Analogue; I-Fax; i-Fax Colour; IP-Fax
Fax resolution: Up to 600 x 600 dpi
Fax compression: MH; MR; MMR; JBIG
Fax modem speed: Up to 33.6 Kbps
Fax destinations: 2,000 single + 100 group

USER BOX
Document storage: Up to 3,000 documents or 10,000 pages
User box types: Public; Private (access through password or authentication); Group (access through authentication)
System box types: secure printing, encrypted PDF printing, fax reception, fax polling

SYSTEM FEATURES
Security functions (std.): ISO 15408 HCD-PP Common Criteria (in evaluation); IP filtering and port blocking; SSL3 and TLS1.1/1.2/1.3 network communications; IPsec support; IEEE support; User authentication: Log authentication; Secure printing; Kerberos; overwriting (8 std. types); data encryption (AES 256); automatic memory data deletion; Confidential fax reception; User data encryption
Security functions (Opt.): Antivirus with real-time scanning (Bitdefender®)
Accounting functions (std.): Up to 1,000 user accounts; Active Directory support (user name + password + email + SMB folder); user profile definitions;
Accounting functions (opt.): Biometric authentication (finger vein pattern recognition); via RDFI card (ID card reader)
Mobile device authentication: Android/iOS

CONSUMABLES
Black toner (B1377): capacity of up to 28,000 pages (coverage 5%)
Cyan toner (B1378): capacity of up to 28,000 pages (coverage 5%)
Magenta toner (B1379): capacity of up to 28,000 pages (coverage 5%)
Yellow toner (B1380): capacity of up to 28,000 pages (coverage 5%)
Black drum (B1405): up to 240,000 pages
Colour drum (B1406, one per colour**):** up to 155,000 pages (MF459en), 160,000 pages (MF559en), 165,000 pages (MF659en)
Black developer (B1381): up to 1,000,000 pages
Cyan developer (B1382): up to 1,000,000 pages
Magenta developer (B1383): up to 1,000,000 pages
Yellow developer (B1384): up to 1,000,000 pages
Waste Toner Box (B1332): up to 44,000 prints
Fuser for MF459en (B1469): up to 800,000 pages
Fuser for MF559en-MF659en (B1470): up to 1,000,000 pages
Image transfer unit (B1404): up to 330,000 pages
2 Transfer rollers (B1389): up to 1,000,000 pages
Staple cartridge for FS-533, FS-539/SD, FS-540SD (B0586): 3 x 5,000 staples
Staple cartridge for FS-540, FS-540SD, FS-540SD (B1387): 5 x 5,000 staples
Staple cartridge for FS-P04 (B1113): 5 x 1,000 staples

OPTIONS
PC-116: One universal drawer of 500 A3/A4 sheets
PC-216: Two universal drawers of 500 A3/A4 sheets each
PC-416: High-capacity drawer of 2,500 A4 sheets
PC-417: High-capacity drawer of 1,500 + 1,000 A4 sheets
LU-207: Large capacity side tray, 2,500 sheets, max. format SRA3
LU-302: Large capacity side tray, 3,000 sheets, A4 format
TK-101: Transformer kit for the LU-302 and LU-207 heater
DK-516x: Support table used instead of drawers
HT-509: Paper tray heater for PC-116/PC-216/PC-416/ PC-417
MK-734: Mount kit for paper tray heater (HT-509)
FS-533*: 500-sheet inner finisher, stapling capacity up to 50 sheets. MK-607 is necessary for installation
MK-607*: Connection kit necessary for installation of the FS-533 finisher
PK-519*: 2/4 hole punch kit for FS-533
FS-539: 3,300-sheet staple finisher, stapling capacity up to 50 sheets;
FS-539SD: 2,300-sheet staple finisher, stapling capacity up to 50 sheets, booklet composition up to 20 sheets
RU-513: Connection unit for FS-539/FS-539(SD);
PK-524: 2/4 hole punch kit for FS-539/FS-539SD
FS-540: 3,200-sheet staple finisher, stapling capacity up to 100 sheets
FS-540SD: As for FS-540, with the addition of booklet-folding unit with saddle stapling (2,700 sheets)
PK-526: 2/4 hole-punch kit for FS-540 and FS-540SD finishers
JS-602: Job separator for FS-540 and FS-540SD finishers
ZU-609: Z-fold unit integrated in the FS-540 and FS-540SD finishers
PI-507: Post inserter for forms, stapling, manual stapling and folding for FS-540, FS-540SD
FS-P04: Finishing unit (corner stapler) to install with WT-06
WT-506: Working table for authentication unit and for installation of FS-P04
JS-508*: Job separator which can be mounted instead of the finishers and OT-513
OT-513: Output tray used instead of finishers and JS-508
BT-C1e: Banner tray
MK-735: Mount kit for card reader installation
KH-102: USB keypad rack
CU-102: Air filter
IC-420: Fiery Controller for colour printing
VI-516: Video interface for IC-420
UK-115*: Interface card for IC-420
UK-221: Wireless LAN and LAN access point
SX-BR-300AN: Wireless LAN
LK-105 v4: OCR conversion to searchable PDF formats and PPTX
LK-106: Barcode printing font
LK-107: Unicode printing font
LK-108: OCR A and B font support
LK-110 v2: Format converter, including DOCX, XLSX and PDF/A
LK-111: ThinPrint® Client
LK-114: Pull printing/Follow-me print solution
LK-115 v2: Trusted Platform Module for encrypted data protection
LK-116: Antivirus Bitdefender® real-time data scanning
LK-117: Fax over IP (T.38)
FK-514: Super G3 Fax card
EK-608: USB kit for external keypad connection
EK-609: USB kit for external keypad and Bluetooth connection
EM-908: Hard disk 1TB (SSD)
KP-102: Touch screen keypad
SP-501: Stamps a scanned original when sending a fax.
Spare TX Marker Stamp 2: A replacement stamp for the SP-501 stamp unit.
AU-102: Biometric Authentication Device

Option not available for d-Color MF659en