THE POWERFUL A4 ECOSYS COLOUR MFP

ECOSYS M6630cidn
ECOSYS M6230cidn

ECOSYS M6635cidn
ECOSYS M6235cidn

KYOCERA
Document Solutions

1.   INTRODUCTION AND PRODUCT CONCEPT

Ecosys M6235cidn and Ecosys M6635cidn

Run your business with ease and confidence

These new A4 colour devices are designed to enable medium and large-sized work-groups, offering both reliability and fast output speeds. The convenient touch panels provide simple, direct access to the machine's numerous functions. Dedicated program keys and KYOCERA's open solution platform HyPAS™ can help further optimise your document workflow.
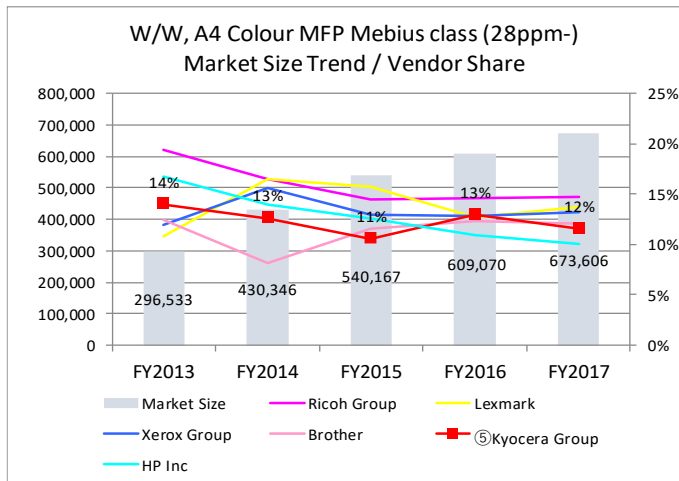
Ecosys M6230cidn and Ecosys M6630cidn

Easy to Use. Unparalleled Reliability.

These new A4 colour devices are designed to be used by medium and large-sized work-groups, offering both reliability and ease of use. The convenient touch panels provide simple, intuitive access to the machine's numerous functions. Dedicated program keys and KYOCERA's open solution platform HyPAS™ can also help further optimise your document workflow.

Growth in the MFP market

The A4 colour MFP market continues to grow in all business segments. By launching these MFPs which are evolved from current series, we aim to expand our market share.

W/W, A4 Colour MFP Mebius class (28ppm-)
Market Size Trend / Vendor Share

FY2013	FY2014	FY2015	FY2016	FY2017
296,533	430,346	540,167	609,070	673,606

14% 13% 11% 13% 12%

Market Size   Ricoh Group   Lexmark
Xerox Group   Brother   ⑤Kyocera Group
HP Inc

The 4 new A4 Colour MFPs are equipped a 7 inch Colour Touch Panel and HyPAS™ functionality.

Target customers are workgroups of any size in SMB up to large accounts. The typical average monthly print volume is between 1,000 and 3,000 pages (with a 50% colour ratio).

Advanced key features of the new Colour MFPs
- Increased performance due to
  - High speed controller with 1.2 GHz CPU and 1 GB memory
  - High speed print engine with up to 35 ppm*
  - High speed scan with up to 60ipm*
- Large 7 Inch full-colour touch panel and Home button provides ease of use
- Improved paper handling capabilities
  - 75 sheet reverse automatic document feeder with support of A6 scan
  - 100 sheet multi-purpose tray offers higher capacity
  - Optional paper feeder for office use and heavy weight paper
  - Up to 3 opt. paper feeders: 1,850 sheet paper input capacity
  - 250 sheet output capacity for larger print/copy jobs
  - 20 sheet semi-automatic stapler option for convenient stapling
- Quiet mode is supported for scan, copy and print to reduce the noise
- Advanced PDF scan functionality: High compression PDF and Encrypted PDF
- Support of Data Security Kit (E) provides great security
- **Mobile printing support: KYOCERA Mobile Print app for iOS and Android, AirPrint, Mopria, Wi-Fi Direct, Google cloud print.** Double-sided print, copy and scan functionality as standard
- HyPAS™ solution platform enables powerful customisations
- Enhanced environmentally friendly design
- Improved colour image quality 1200dpi printing as standard

- Improved print performance (up to 40% faster than the previous series)
- Improved first print time and copy time- first BW print in as little as 7.5 seconds
- Supports duplex scanning for the first time*

ECOSYS M6630cdn, ECOSYS M6635cidn: Fax functionality

* Only supported with ECOSYS M6235cidn, ECOSYS M6635cidn

2. PRODUCT POSITIONING AND TARGET USERS

The new range offers with up to 35 ppm a high performance combined with excellent functionality.

The main source of revenue is the replacement of A4 printers and/or A4 MFP, whilst some outdated entry level A3 MFP devices may be replaced with these devices.

Environmentally conscious customers can be targeted with the advantages of the ECOSYS technology, which offers with the long-life components a huge waste reduction potential. The low emissions and energy consumption reduces the CO_2 footprint and so the environmental impact. The low noise, which is further reduced with the Quiet mode, is important to create a convenient working atmosphere.

With support of A6 scan from the document processor it is possible to address special customer needs, for example in the finance / banking area.

The 30 ppm models are the perfect choice for customers seeking high performance and functionality with attractive pricing. The 35 ppm models are preferred whenever superior performance and/or outmost usability is requested. Customers looking for advanced user control settings or customized workflow solutions will benefit from the HyPAS™ functionality of all of the new models.

The expected average monthly volume is typically between 1,000 and 3,000 pages.

But technically it is even possible to produce up to 10,000 pages every month or peak volumes of up to 100,000 pages in a month.
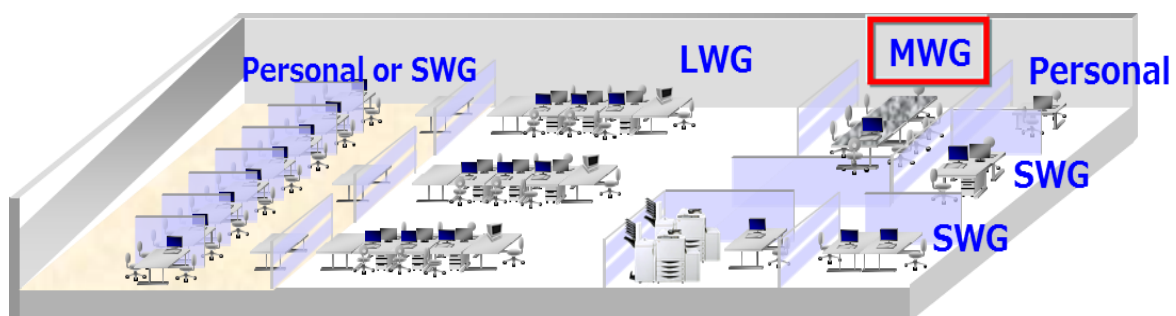
| User Profile	Medium Sized businesses and work groups
Target Print Volume	ECOSYS M6635cidn (4in1)/ECOSYS M6235cidn(3in1) = 3,000 pages/months ECOSYS M6630cidn (4in1)ECOSYS M6230cidn (3in1)= 2,200 pages/months Colour Ratio: 50%
Document use	Print, copy and scan various documents such as internal meeting materials and external proposals when color printing is necessary.

Positioning

This is the new high-end A4 ECOSYS Colour MFP product family,
which is mainly positioned against printer vendor models.
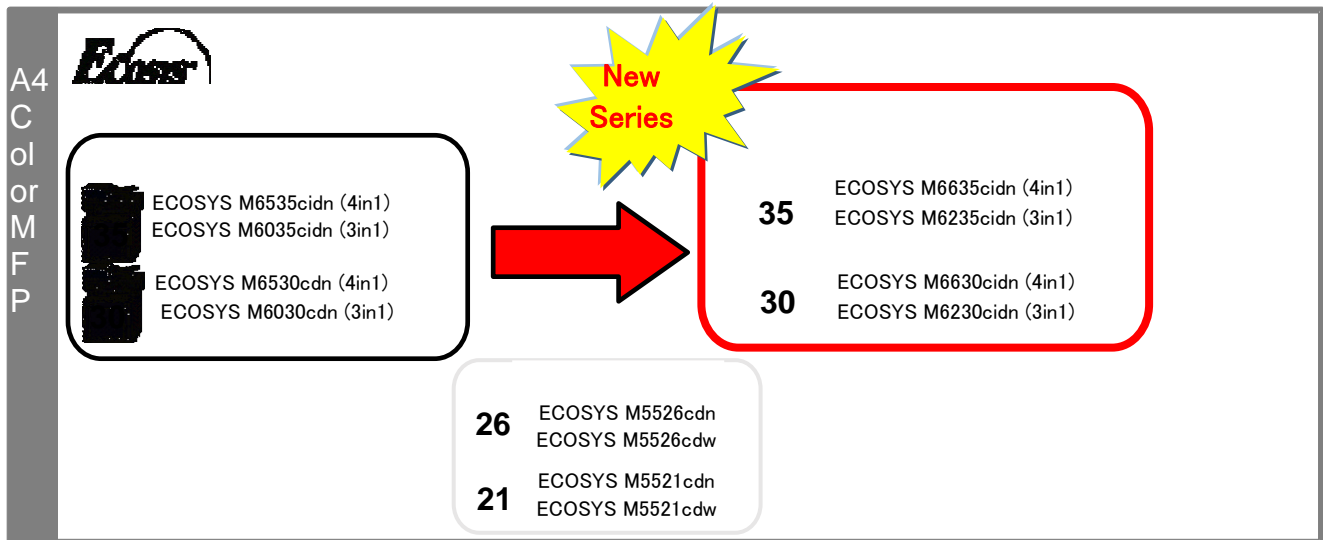
The LCD models ECOSYS M5526cdn and M5521cdn will remain as entry products in
our line-up.

External positioning

The ECOSYS M6530cdn is positioned versus the HP M570dn model, which is similar to the Lexmark CX410de. The ECOSYS M6x35cidn keeps the previous positioning of the ECOSYS M6x26cidn, which means it is positioned below the HP M575dn/f and Lexmark X748de.
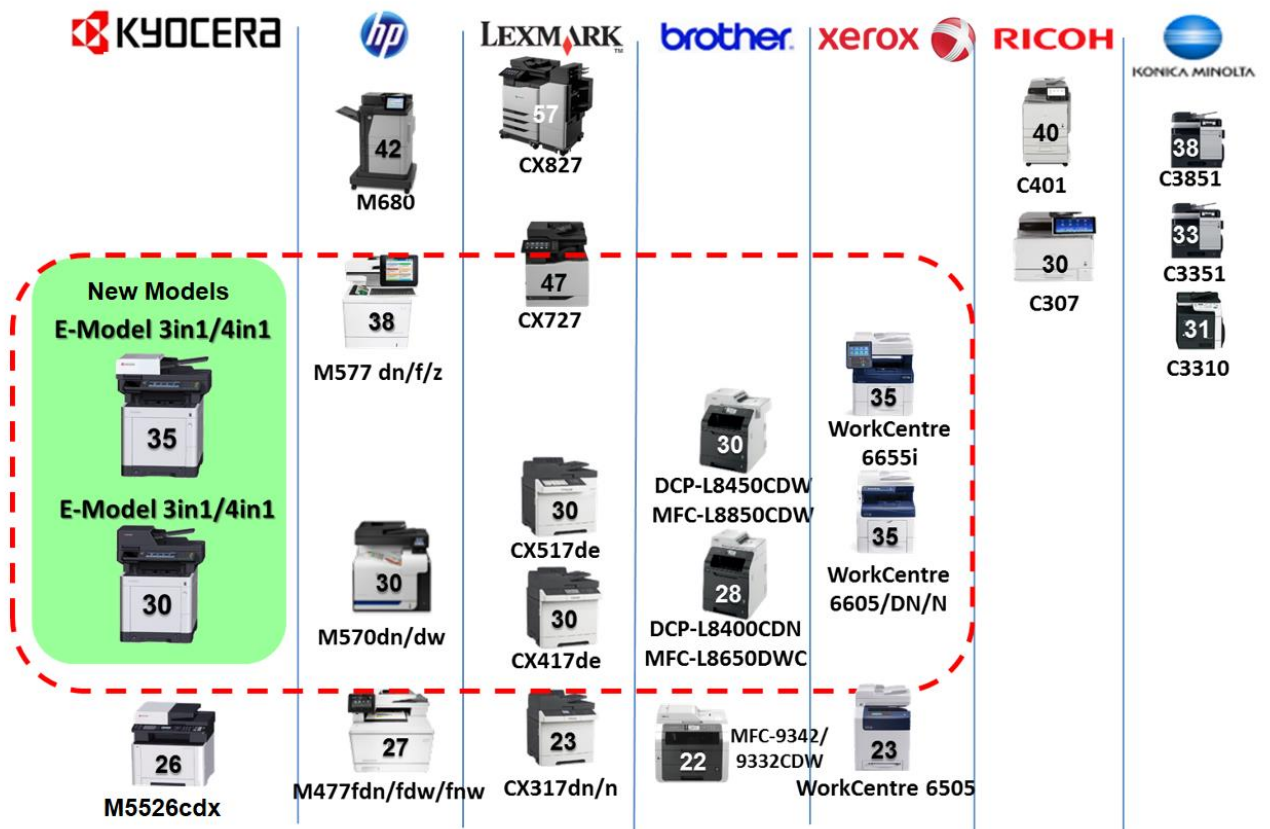
USP
PAINS / CAPABILITIES / BENEFITS
KEY SPECIFICATION OVERVIEW

3-1. USP

The KYOCERA long-life technology preserves the environment with less waste and keeps the cost down with high efficiency and reliability.

Environmental impact is minimised:
- Waste reduction due to long-life (200K pages) drum, developer and fuser
- CO_2 reduction due to low typical electricity consumption (TEC)
- Low noise is achieved with various improvements including 2 beam laser technology and the quiet mode for print, copy and scan reduces it further

Excellent support of different media types with up to 5 paper trays for simultaneous use of different paper sizes or paper weights up to 220g/m².

User authentication is one of the most important and powerful activities to achieve high level security of the device. The support of optional USB keyboard and a wide range of optional IC Cards provide unmatched flexibility for easy, but safe access to the device. The KYOCERA Net Manager brings control to a higher level by keeping the costs down.

Excellent copy quality is achieved with image processing technologies to improve
- contrast of pictures
- text reproduction within mixed originals
- prevent bleed through from thin paper
- copies from originals highlighted with fluorescent pen

HyPAS Platform
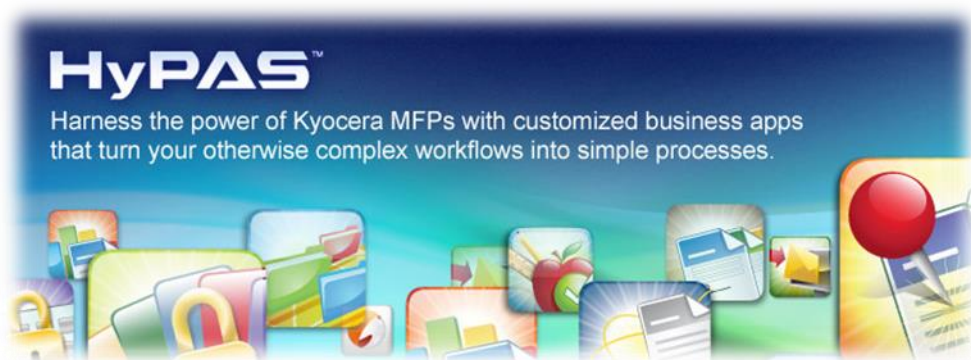
KYOCERA's software development platform, HyPAS™, enables the new range of MFPs to be integrated into existing business workflow solutions. The devices can be configured to interface with specific business applications such as DMS or ERP directly from the control panel. For the first time, the full range can be precisely tailored to individual end user workflows. With one click operations for key processes the customer saves time, increases efficiency and maximises productivity.

The customer can easily automate business processes or can use customised security solutions to control the device to avoid unnecessary cost or security leaks.

KYOCERA offers a comprehensive portfolio of optional advanced business applications. This new HyPAS™ capable range is ready to support business applications that meet customer's workflow & enhanced information sharing needs. Customisable business applications take these new MFPs to the next level, empowering users to leverage information how and when they need it.

KYOCERA offers more than 50 business applications in 6 categories:

- **Capture & Distribution**

- **Document Management**

- **Mobile & Cloud**

- **Output Management**

- **Cost Control & Security**

- **Network Device Management**

3-2. Customer Pains / Capabilities / Benefits

Customer pain	Our capability to solve the pain	Customer benefits
Printing of emails and documents from mobile devices.	Kyocera Mobile Print supports Android and iOS devices with detailed print functionality. AirPrint and Mopria Print Service support enables easiest printing from iOS or Android devices.	Customer can select between easy and simple printing with AirPrint or MOPRIA support or enhanced print features, requiring some effort, with Kyocera Mobile Print.
High Energy costs	Low Tec values	Saving money and taking care for the environment
High Maintenance costs	Long Life Units (Drums, DV, Fuser)	Saving money and less waste because of Long Life Units
Machine Downtime	Long Life Units (Drums, DV, Fuser)	High Productivity of the device
Difficult to operate the MFP. Training might be required to utilise the standard features.	Very easy to use now that all models are touch panel / HyPAS™ capable.	Saving money because of less misprints and less user training
Users are not aware about many powerful features.	Configurations dedicated to individual user needs. Simplified login and HyPAS™ applications.	Product can be better utilised for individual needs without time consuming training.
Increased demand for colour documents, but limited budget.	Access control to limit colour use. Attractive click contract offers via our dealers.	More users have access to colour documents. Budget is under control and can be limited.
Demand for high quality documents within short time.	Fast MFP models with fast first page and high quality.	No bottlenecks because of low performance. A lot of documents can be printed in-house.
Provide colour documents at high quality and limit cost of standard output.	Up to 5 paper trays for different media types as for example heavy weight paper and coated paper for special use or recycling paper for internal use. KX Driver enables settings for normal office use dependent from the application.	Users can get access to premium paper for best quality. Administrators can reduce the cost for normal documents with default settings (Duplex, N-Up, B/W only)

Users complain about high noise of fast office devices	Product is designed to generate only little noise. The Quiet mode reduces noise further more.	Comfortable office with nice working atmosphere. User can choose between high performance and reduced noise level job by job.
Labor union has health and environmental concerns regarding Laser MFP.	Environmental awards like new EnergyStar 3.0 and new Blue Angel	Waste reduction and CO_2 reduction protects the environment. Low noise provides good working atmosphere. [Blue Angel award confirms low toner pollution to protect user health.]

Dealer pain	Our capability to solve the pain	Dealer benefits
Time consuming installation / training of customers reduces profit	Product is ready to be used out of the box. Easy to use – same handling as other A4 MFP devices	No need to order Fax, DP and toner. Same user concept saves time for user training.
Dealers are confronted with a lot of detailed user requirements.	Simplified login covers many user requirements. HyPAS™ is capable of adjusting the product to match more user needs.	Dealer can differentiate himself from other dealers. Better customer loyalty can be achieved. Potential for additional business.
Dealers are confronted with environmentally concerned customers.	ECOSYS products are environmentally friendly. They reduce drastically waste and produce only low emissions.	Dealer can differentiate himself from other dealers.
Dealers need to offer click contracts at low prices.	3 tier colour coverage counter enables the dealer to offer attractive clicks for low coverage documents.	Dealer can choose the right combination of different coverages and click prices.

3-3. Key specification overview

Engine and Controller Specification

	ECOSYS M6230cidn	ECOSYS M6630cidn	ECOSYS M6235cidn	ECOSYS M6635cidn TASKalfa 351ci
Functions *	P/C/S	P/C/S/F	P/C/S	P/C/S/F
HyPAS ™ Capable	Yes (requires SD card)**			
Control Panel	7 Inch Colour Touch Panel**			
Scan speed B/W / Colour	Up to 60/40 ipm Simplex Up to 26/17 ipm Duplex		Up to 60/40 ipm Simplex Up to 62/46 ipm Duplex	
Print/copy speed	30 ppm		35 ppm	
1st. Print [Copy] b/w/col.	7/8.5 [9.5/11.5] seconds		7/8.5 [9/11] seconds	
Max. Duty Cycle	100,000 pages			
MK-Kit Lifetime	200,000 pages			
Print engine lifetime	600,000 pages			

* P: Print C: Copy, F: Fax, S: Scan **New for 30 ppm models

	ECOSYS M6230cidn/M6630cidn/M6235cidn/M6635cidn, TASKalfa 351ci
CPU, Memory Std. / Max	ARM CORTEX Dual Core 1.2 GHz, 1,024 MB / 3,072 MB
Private Print	Supported by RAM-Disk, optional SD card and optional HD-6/HD-7
Mobile Printing	KYOCERA Mobile Print, AirPrint, Mopria, Google Cloud Print compliant
Standard interfaces	Gigabit Ethernet, USB 2.0, 2 x USB Host 2.0
Opt. interface slot	1 x SD card slot, 1 x eKUIO slot for IB-36/50/51/HD-6/HD-7
Optional memory	MD??? (1024 MB) / MDDR-2GB (2048 MB)
Opt. memory card	SD Card up to 32 GB for forms, fonts, logos, macros, job retention
Optional HDD	HD-6 (32 GB SSD), HD-7 (128 GB SSD) for document management
Data Security Kit	Data Security Kit (E) for HD-6/HD-7
Common Criteria	Apply for certification of all 4in1 models
Emulations	PCL 6/5c, KPDL 3 (PS3), PRESCRIBE IIc
Scalable fonts	93 for PCL / PostScript, 8 for Windows
Barcodes	45 barcodes and two-dimensional barcode PDF 417
ThinPrint Support	Option (UG-33, IB-50, IB-51, IB-36)
Print via FTP / LPR	XPS, JPEG, TIFF, PDF Version 1.7, encrypted PDF with password
USB memory print	XPS, JPEG, TIFF, PDF Version 1.7, encrypted PDF
3 tier color counter	3 tier color coverage counter is supported

Key paper handling specification overview

	ECOSYS M6230cidn/M6630cidn/M6235cidn/M6635cidn, TASKalfa 351ci
Scan File types	TIFF, JPEG, PDF (1.4), PDF/A, high compression PDF, encrypted PDF, XPS
Scan functionality	Scan to FTP, Scan to FTP over SSL, Scan to SMB, Scan to email, Scan to USB memory, Twain scan (USB, network), WIA scan (USB, network)
New Scan functionality	Scan preview (T.B.D.)
Scan extension Kit (A)	Scan to OCR (Searchable PDF). Scan to MS Office (Scan data can be saved as MS Office files).

Features improved vs. current A4 colour printer range are marked in **bold**.

4-1. High productivity – with up to 60 scans per minute

- Large print, copy and scan jobs can be finished within short time
  - High engine speed of up to 30 / 35 pages per minute
  - Up to 40 / 60 scans per minute with 75 sheet document processor
- Fast access to the finished jobs can be enabled with the Job notification feature
- The very fast first page and is ideal for smaller documents
- The powerful controller with PowerPC 465S/1 GHz supports multitasking of different jobs and finishes them at high speed
- Standard Gigabit interface provides network functionality without bottlenecks

- Up to 5 paper trays offer direct access to various paper formats and media types
  - No need to manually load the required paper at time of printing
- Up to 1,850 sheet max. paper capacity eliminates bottlenecks of paper supply
- Duplex functionality for convenient and fast double sided prints/copies
- Reversal document processor enables automatic scan/copy of duplex documents
  - No need to scan/copy manually page by page via platen glass

- High standard memory of 1,024 MB RAM enables
  - Multiple printing/copying of documents in standard configuration
  - Electronic collation of printed / copied documents eliminates the need for manual sorting activities
  - The "Proof and Hold" KX driver feature creates one document set, which can be checked at the device before additional copies are released or deleted at the device.
    This eliminates the need to go back to the PC and send the document once more after it is checked.
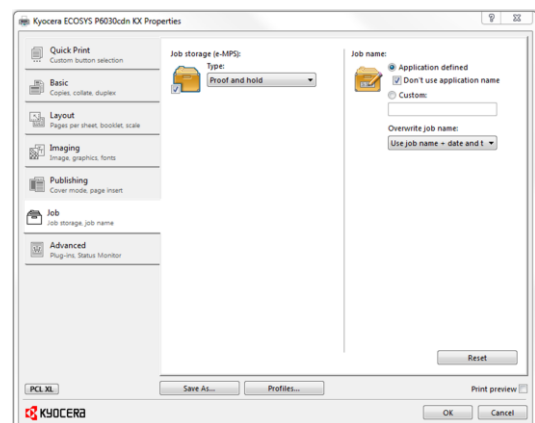
- Optional SD cards and/or HDD (SSD) provide sufficient storage capacity for the extensive use of the document management capabilities (Job retention features).
- The custom boxes can be setup in line with user needs and provide a perfect combination of usability, security and performance for printing stored documents. (The custom box feature is available with an optional HD-6/HD-7)

- ID card copy improves copy workflow of ID cards and creates automatically 2 sides of original document onto one page
- Active directory support (LDAP) provides fast access to the correct contact details
- One touch buttons for instant selection of frequently used addresses
- Program keys improves efficiently workflow of complex tasks
- Network fax for direct transmission of documents without prior printing
- USB Host interface offers fast access to printable files stored on a USB stick
  - Multiple selection of files creates continuous print jobs (job batches)
- USB Host interface to store scanned documents directly on a USB stick
  - No need to setup connections or email addresses for first-time use
- Automatic email alerts initiates and supports fast problem solving
- Control Panel Timeout reduces off-line times
- Printing in black with empty colour toner enables to continue printing approx. 30 pages which can be important to finalise a document on time

Echo send

Internet

Echo back
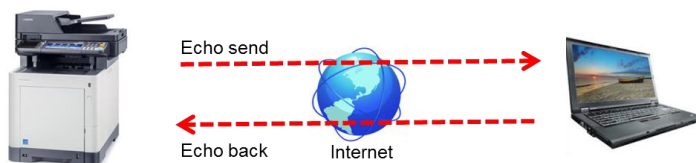
· in case there is Ping response

Reply from destination host

OK

·Succeeded

· in case there is NO Ping response

No reply from destination host

OK

·Failed

Cannot connect to the network

OK

·Network cable is not connected

- Network connection check with **PING test** from System Menu provides a simple way to diagnose errors

- **Convenient semi-automatic stapling** improves workflow efficiency
  - Up to 20 sheets, 1 position stapling with the MS-5100 option
  - No driver settings supported
  - Service installation required

No driver settings

4-2. Improved quality

Stable image quality
- Stable image quality is kept by new technology of brightness control with light intensity adjustment.
- Reduction of the internal temperature minimises colour registrations
    - 2 beam laser technology
        - Heat generated by the polygon motor is reduced due to lower rotation speed
    - New air vent design
        - Cooling performance is improved by air vent, which is set above the polygon motor
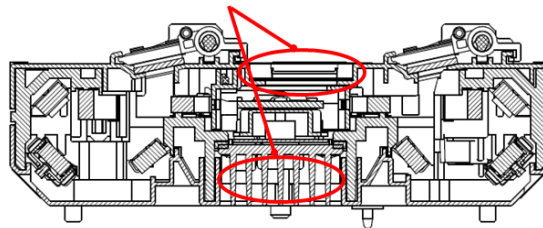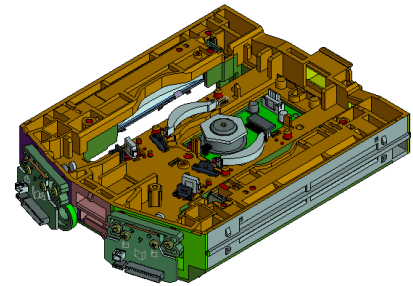
Improved Colour Image Quality: 1200dpi printing as standard
- Enables smooth image reproduction of thin ruled lines and small characters
- Choose 600dpi for faster printing

○**600dpi image**   ○**1200dpi image**

Improved contrast settings
- Makes images sharper and more vivid

Normal   **Contrast Higher**

Highlight mode improves copies from highlighted originals
- The highlight mode is useful to reproduce the colour of fluorescent pen. It reproduces the image as good as possible and prevents the fluorescent pen colour from becoming too faint.

Original	[Highlight] OFF	[Highlight] ON
abcdefghijklmnopqrst VWXYZabcdefghijklm QRSTUVWXYZabcdef	abcdefghijklmnopqrst VWXYZabcdefghijklm QRSTUVWXYZabcdef	abcdefghijklmnopqrst VWXYZabcdefghijklm QRSTUVWXYZabcdef
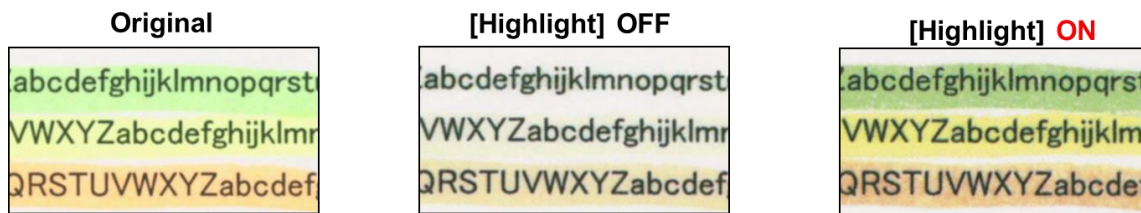
Object separation & processing

- Improves copy of small text within mixed originals due to latest image processing technology, which differentiates between text and images.

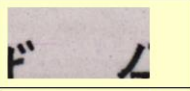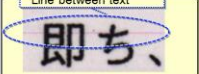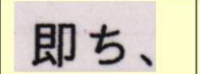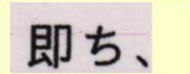| Before : (Current Gemini)		After : Mebius series
ABCM abcijm	10 point	ABCM abcijm
ABCM abcijm	8 point	ABCM abcijm
ABCM abcijm	6 point	ABCM abcijm
ABCM abcijm	4 point	ABCM abcijm
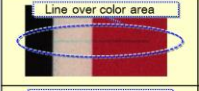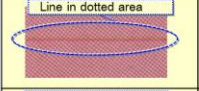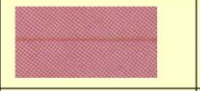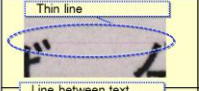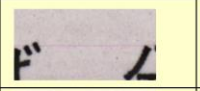
Bleed Through mode reduces unwanted background images

- Helpful for double sided printed thin paper originals
- Separating the background image from the front image without changing the colour of the entire document
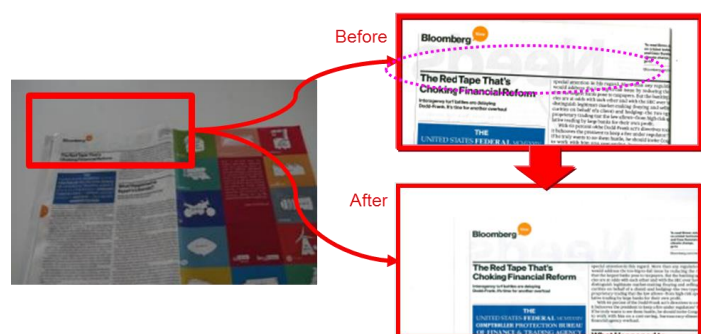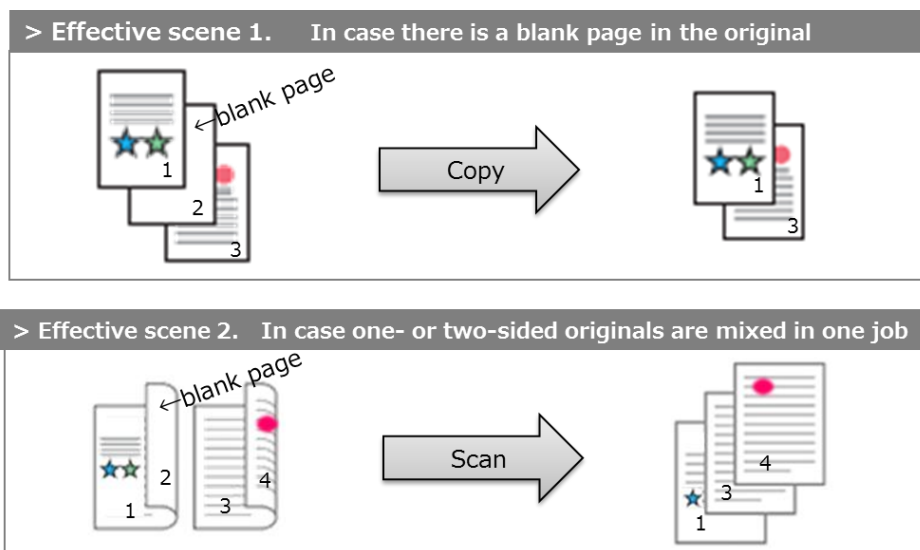
DP Line reduction mode

- Separating the background image from the front image without changing the colour of the entire document

Original (with lines)	Gemini	Mebius
Line over color area		
Line in dotted area		
Thin line		
Line between text		

4-3. Low environmental impact

- **The products are compliant with the new ENERGY STAR$^®$ 3.0 regulations.**
  - ○ ENERGY STAR® is a US government-backed program helping businesses and individuals protect the environment through superior energy efficiency.
  - ○ Sleep mode reduces the power consumption further more
    - ▪ Quick recovery avoids negative user impact
- **Designed to meet the requirements of new "Blauer Engel" (From 2019).**
  - ○ Tests are performed, certification process is ongoing.
- Drastic waste reduction with cartridge free technology
  - ○ Only the toner boxes are replaced regularly
  - ○ No frequent exchange of drums and developers required
- Reliable products for a long lifetime requires less frequent product replacement
  - ○ MK-Kit lifetime of 200,000 pages prolongs the lifetime of the product
- Packaging has been developed with environmental considerations
  - ○ **Carton size is minimised due to preinstalled toner boxes**
  - ○ It is made from corrugated cardboard and does not include any adhesives or chemical substances. Competitive products continue to use styrofoam
- Detailed documentation is provided only in electronic format to reduce paper use
- Application based profiles can be of help to reduce toner and paper consumption
- Low toner consumption
  - ○ N-up printing can reduce toner consumption drastically
  - ○ ECOPrint mode reduces toner consumption for draft printouts
- Reduction of paper consumption with
  - ○ Duplex functionality
  - ○ N-up printing with up to 25 pages on one sheet of paper
  - ○ Quick copy to produce multiple sets of documents after its check
  - ○ Advanced Job management to eliminate obsolete print jobs
 - ○ **Skip blank pages in print, copy and scan**

Skip blank pages directly reduce paper consumption in print (KX Driver setting) and copy function. With the scan function it reduces in a first step only the stored number of pages, while it reduces in the next step the number of printed pages.

> Effective scene 1. In case there is a blank page in the original

> Effective scene 2. In case one- or two-sided originals are mixed in one job
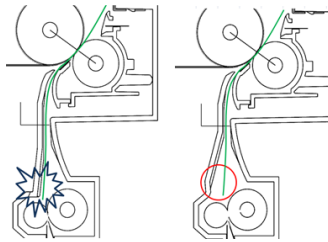
- **Low noise design**

2 beam laser
All Mebius models have 2 beam laser to reduce the rotation of polygon motor and high frequency sound caused by rotation
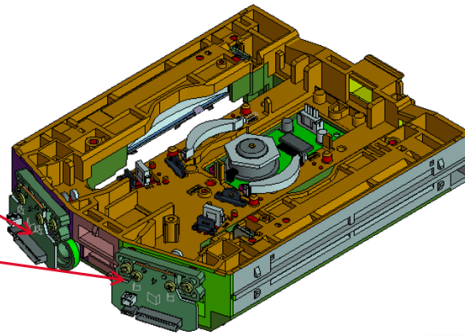
Optimized fan control
Several fans will rotate only when cooling becomes necessary. The operating noise is reduced by 30% in standard environment.

STOP

Quiet feeding path (Same as Gemini)
Friction and crash noise is reduced by simulating the paper feeding and making the feeding path match the paper movements.

- **Quiet mode** is now available for print, copy and scan for further noise reduction. Quiet mode can be selected with ease Job by Job dependent from priority between required performance and low noise

Simple setup with Touch Panel model:
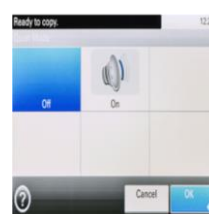
Lower energy consumption

New fuser system decreases energy consumption

- o New thinner heat roller with high thermal conducting of fuser unit
- o More pages are printed per minute by keeping current energy consumption
- o Printing time is less
- o Total energy consumption and CO_2 emissions are reduced further by approx. 20% despite the increased speed.
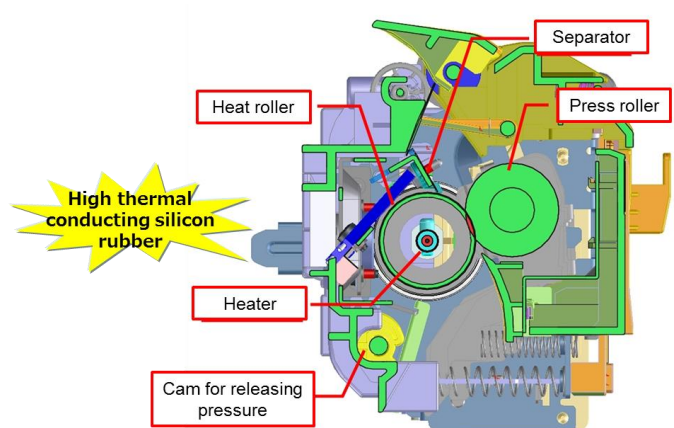
TEC value 220V	Existing model Value	Target Value	Reduction Ratio
30ppm MFP	1.93 kWh/week	1.4kWh/week	Approx. 28%
35ppm MFP	2.01kWh/week	1.7kWh/week	Approx. 15%

4-4. Low TCO – with long-life technology

- High toner capacities with attractive toner prices results in the low cost per page
- Long-life components – no need to replace frequently drum, developer and fuser
  - The MK-Kit has a lifetime of **200,000** pages – it provides all long-life components for installation at once
- Highly reliable reversed document processor (MK-Kit after 200,000 scans)
- High reliability reduces downtimes
- Low power consumption reduces electricity bills
- Standard duplex print/copy functionality reduces the following cost
  - Paper cost by up to 50%
  - Archiving costs for folders, cabinets and storage room
  - Postage for large letters
- Print preview of KX driver reduces number of misprints
- KX driver supports N-up printing to reduce paper and toner consumption
- 2in1, 4in1 copy feature reduces paper and toner consumption
- Two sides/faces of ID-card are copied on one side - reduces number of copies
- With the "Proof and Hold" KX driver function a first set of the document is printed before the remaining copies are activated at the control panel via the Job Box, Quick copy setting. This reduces the number of misprints and saves cost for paper, toner as well as labour cost.
- The job management enables easy deletion of obsolete print jobs
- Access control (Security features) avoids unauthorised access to the device
- 100 Department codes support monitoring, control and limitation of the device
  - This helps to reduce the printouts
- Application based profiles (KX driver) can reduce the number of printed sheets
  - Outlook emails might be printed always in duplex and as 2in1 pages
- High productivity supports workflow in the office resulting in reduced downtime
- Ease of use reduces the internal support cost and improves office efficiency
- Standard warranty & optional KYOlife brings service cost down
- The PEC (Printing Economy Check) enables easy comparison with competitive products to highlight the potential cost savings of the KYOCERA products.
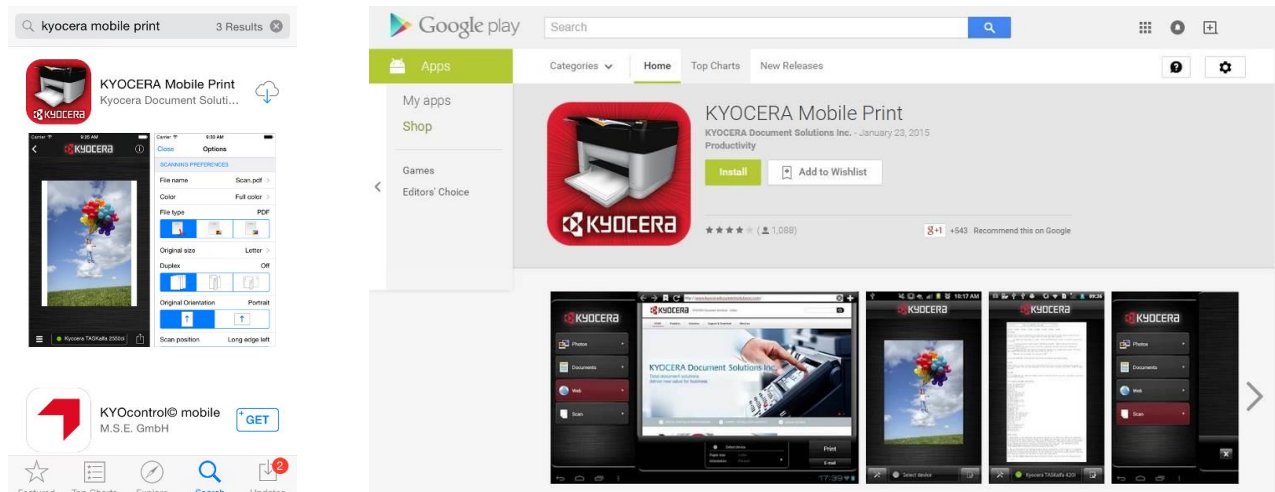
Cartridge free – Only toner box to be replaced frequently

4-5. Printing from mobile devices
4-5-1. KYOCERA Mobile Print– Wireless printing from iOS and Android

KYOCERA Mobile Print is an App which is available for both iOS and Android devices. The app enables the user to print wireless (via WiFi) from his mobile device to the ECOSYS Colour MFP.

Prerequisites are that both the mobile device and the ECOSYS Colour MFP are connected to the same network.

Benefits from using the Kyocera Mobile Print app is that it gives you a lot of flexibility configuring your print job compared to generic mobile print solutions. You can select simple settings like duplex or printout orientation as well as more complex settings for authentication like private print for example.
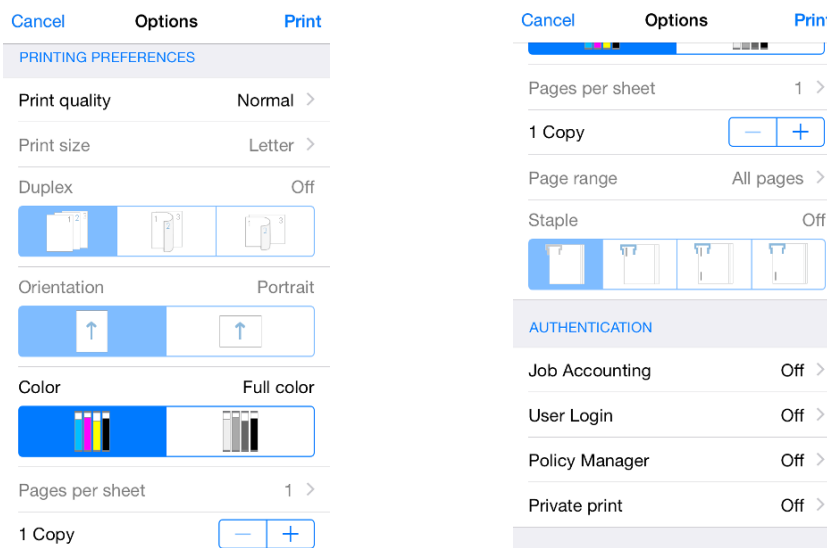

KYOCERA Mobile Print is supported by the on-board network interface, but not supported by the optional IB-51 WLAN interface. This means the mobile device sends the data wireless to the rooter, which passes the print job via Ethernet to the printer.

4-5-2. Air Print^{TM} – Wireless printing from iPhone or iPad

The ECOSYS Colour MFP supports the AirPrint protocol from Apple.

Your advantages with AirPrint are:
- Print on-the-go in mobile environments
- Requires no IT intervention
- No need to install any app on the Apple mobile device in order to print
- Provides anytime, anywhere access to documents and information
- Supports numerous AirPrint enabled apps
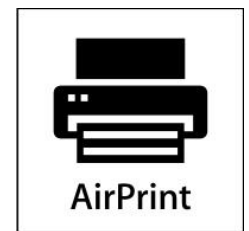
AirPrint is Apple technology that enables printing from iOS or OS X devices without installing any applications or drivers. With AirPrint, you can take advantage of driverless printing from iOS and OS X products to select KYOCERA printers on the same network. This capability enables mobile workers to quickly print hardcopy documents – helping improve productivity, both inside your organisation and on-the-go. It also boosts productivity by eliminating the need for you to e-mail files and attachments to someone connected to the network for printing. In addition, mobile printing with AirPrint helps reduce IT's burden of managing application downloads and print drivers, and enables you to better manage jobs in your print queues.

How does it work?
The user has to open the document, picture or web-page he would like to print on his iPhone/iPad and has to simply choose the option "print" at the bottom of the screen. After that the ECOSYS Colour MFP has to be selected from the list of available printers and the print job can be sent to the device. The iPhone/iPad and the MFP have to be connected to the same WiFi network, so that the printer can be found.

Basic settings of the print job can be done – number of copies, duplex or simplex and size of paper. For more advances settings the user has to install the Kyocera mobile print app.
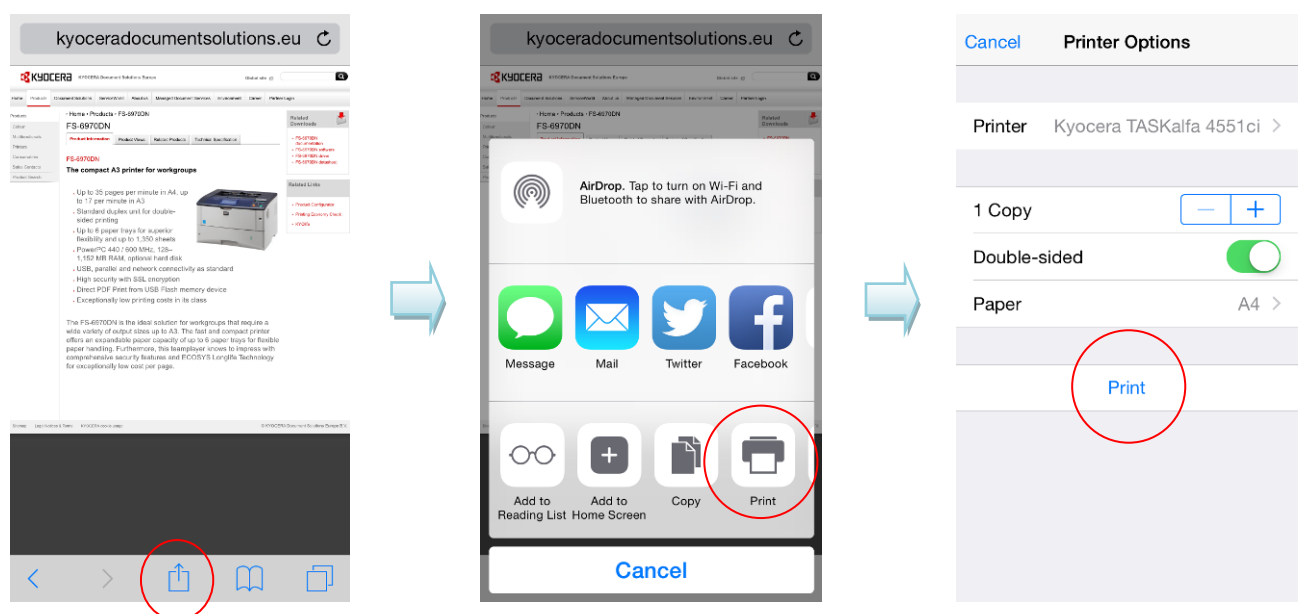
AirPrint works seamlessly with many Apple apps, including Safari, Mail, Photos, iWork and PDFs in iBooks. In addition to Apple apps, many third party apps also support AirPrint technology.

AirPrint is a trademark of Apple, Inc.

AirPrint is supported by the on-board network interface, but not supported by the optional IB-51 WLAN interface. This means the mobile device sends the data wireless to the rooter, which passes the print job via Ethernet to the printer.

4-5-3. Mopria^TM – Wireless printing from Android devices

Wireless printing from Android devices on the ECOSYS Colour MFP is possible with the Mopria Print Service app.

Mopria^TM is a mobile printing standard that enables basic wireless printing between Android mobile devices and Mopria certified printers from multiple brands.

To print from an Android device first the free Mopria app has to be installed from Google Play. The main benefit of Mopria is once the app is installed, you can print on all certified devices. The Android mobile device from which the user wants to print has to be connected to the same network where the Colour MFP is connected.

The Mopria printing app is supported by the on-board network interface, but not supported by the optional IB-51 WLAN interface. This means the mobile device sends the data wireless to the rooter, which passes the print job via Ethernet to the printer.
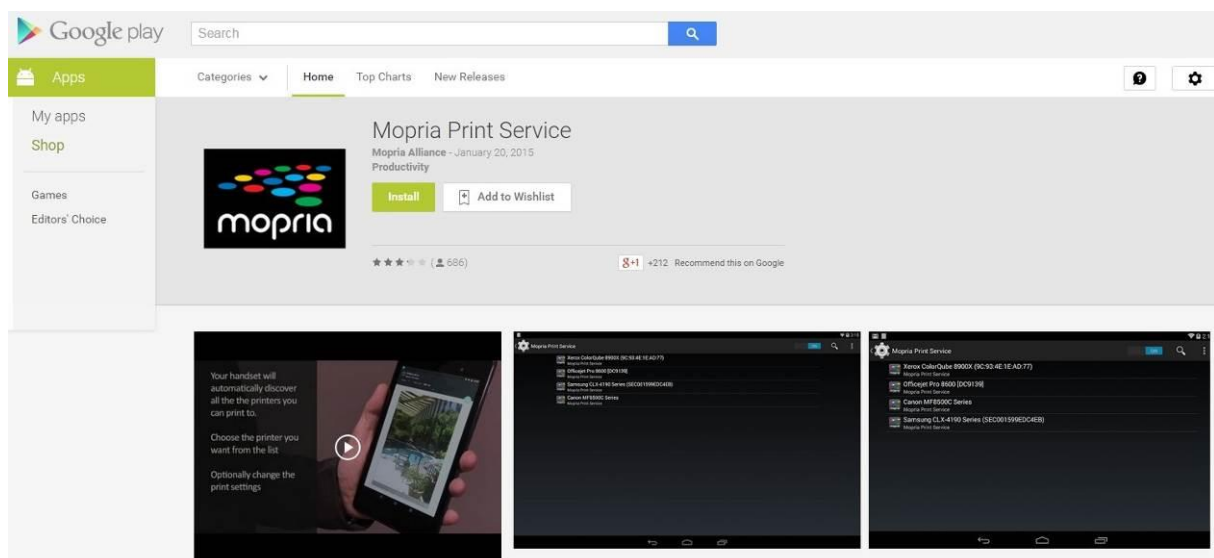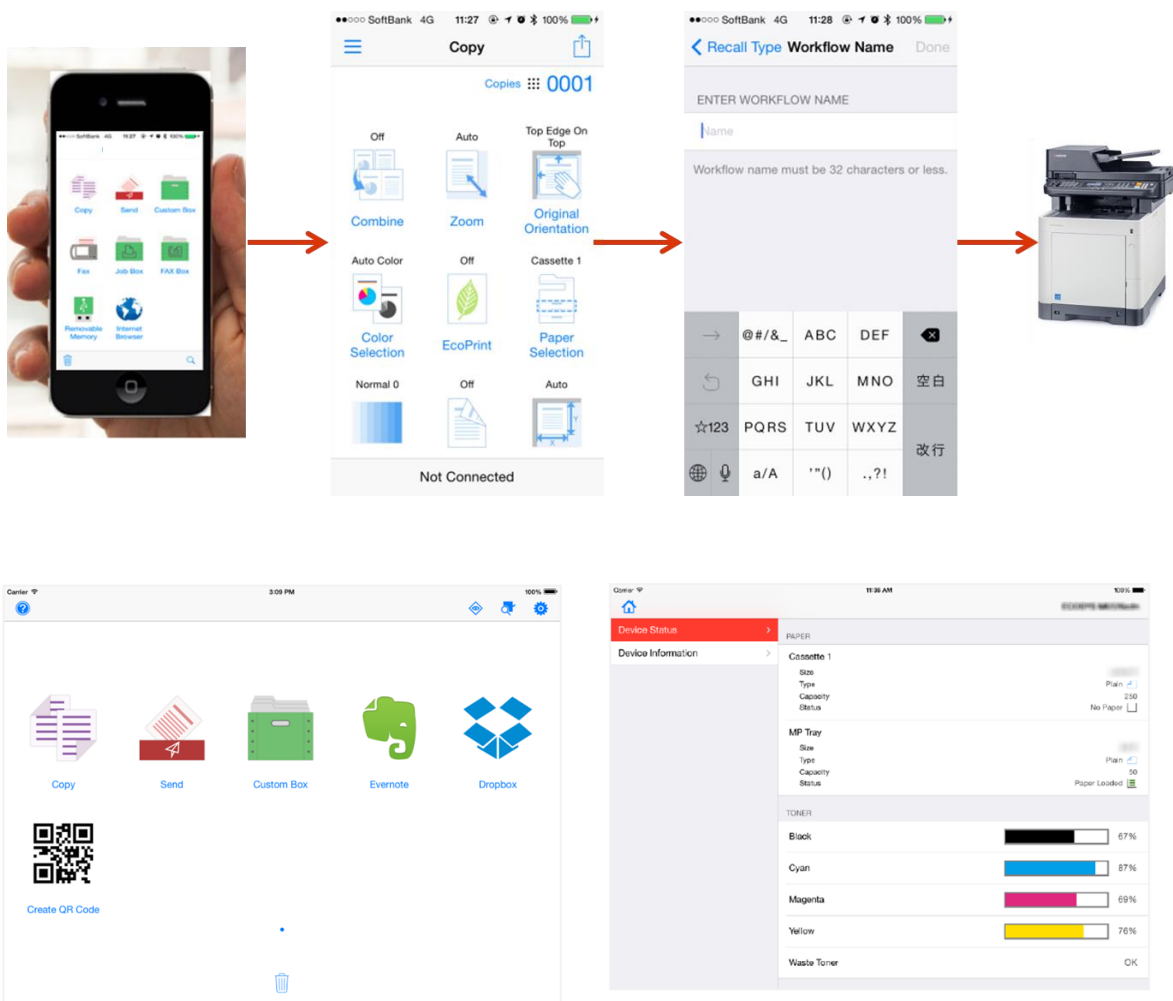
4-5-4. KYOCERA MyPanel application controls the MFP from mobile devices

MyPanel can be used to monitor the device, define workflows, print documents saved on the MFP (HD-6/HD-7 required) and connect with cloud services. It supports more easy and efficient use of the Touch Panel and LCD models.
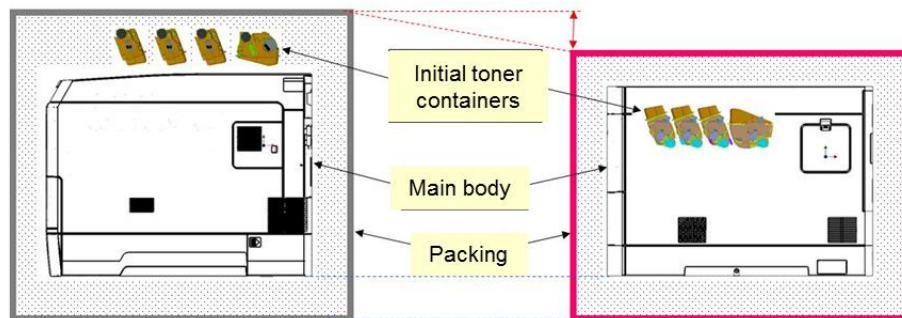Separate information to be provided.

4-6. Ease of use

- Various scanning needs are easy to manage with the high capacity and versatile **75 sheet** reversed document processor, which scans also duplex originals.
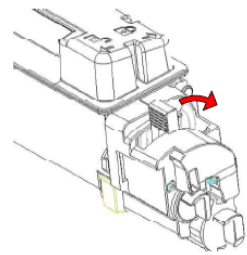

- Originals from **A6** up to Legal size are supported via the DP as well as the platen glass offering easy copy/scan/fax of large documents

- The continuous scan feature can combine separate scans (from DP and or platen glass) until [End Scan] is pressed to one single file or copy job. This eliminates obstacles and turns sets of difficult to manage originals into easy tasks.
- Paper size indicator shows in each paper cassette the defined paper size
- Up to **5** paper trays means there is no need to frequently change the supplied paper / media type in the cassettes because they can be kept simultaneously.
- USB memory support for instant access to stored files and ability to scan directly.

- o High flexibility is offered by the standard support of various file formats:
  PDF, PDF/A, encrypted PDF, high compressed PDF, TIFF, JPEG, XPS and Open XPS
  o TIFF, JPEG and XPS files can be scaled to fit the page for easiest size adjustment

- Easy user interaction with
  o Status Monitor delivers direct information (sound supported) at the desktop
  o KX Printer Driver for easy control of the output
- Standard support of scan to email, scan to FTP, scan to SMB as well as Twain and WSD scan via network and USB enables easy adoption to company requirements
- Ease of administration is offered via the Command Center RX (integrated Product homepage), KYOCERA Net Admin as well the access to the Active Directory with the LDAP support.

- **Preinstalled toner boxes** mean no need to unpack, shake and install toner box in the main body. Only toner lever needs to be set. The setup time is reduced and the carton size is more compact. That results also in transportation and warehouse cost down.

Initial toner containers

Main body

Packing

Initial toners are separate from main body. (Gemini)

Initial toners inside main body (Mebius)

Gemini
①Pull the release lever.

②Lift to a fixed high level

Mebius
①Pull the release lever.

②Lift with one hand and stop at your comfortable position. (Freely stop)

- **Easier exchange of toner boxes**
- Waste toner box replacement is easy
  - o When opening the small cover at the front right side users gets direct access to the waste toner box.
- Long life components require no regular replacement of drum, developer & fuser. This results in hassle free use by minimising the need of user (service) interaction.
- Wooden cabinet provides convenient access to the device and easy storage of paper and toner boxes
- Quick Print Tab in KX driver for simple selection of most frequent settings
- Complete profiles in KX driver for easy support of dedicated document requirements
- With application based profiles since KX 5.1 desired settings are always provided
  - o Example: Outlook could be linked to a profile with 2in1 and duplex output

4-6-1. Ease of use provided by the 7 inch Colour Touch Panel

The new A4 Colour MFP devices adopt the large 7 inch full colour touch panel from the highspeed A4 B/W MFP series. Dedicated main function keys enable direct access to required functions and alphanumeric keys support fast data input. Card Readers for easiest access control can be integrated under the transparent cover at the left side of the control panel.

1. Colour touch panel with tilt feature Visibility of the large colour touch panel can be optimised by the integrated tilt feature, which compensates different light conditions and/or user positions. The touch panel can be set into 0, 10 or 20 degree position.

2. 7 inch full colour touch panel with customisable "Home Menu"

The Home Menu Screen can be always directly accessed via the Home Menu button. The integrated Task bar at the bottom gives direct access to language settings enabling easy switch between different languages. The Home Menu is the starting point for all functions and applications and can be customized to user needs by adding applications or deleting functions. With the selection of the required function the screen switches to the traditional appearance of the A4 MFP devices.

3. 7 inch full colour touch panel with traditional screens
   Coloured pictograms and crisp text messages in the colour display support easy understanding. Well-structured screens and Wizard style operation provide easy navigation. Fast panel response time for direct access to the selected features.
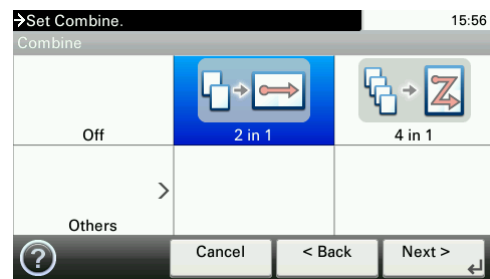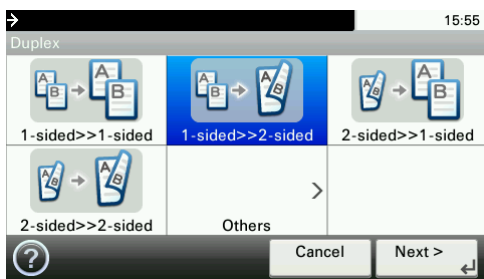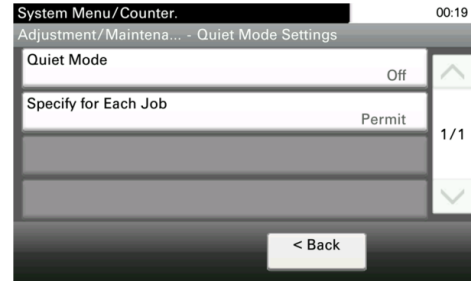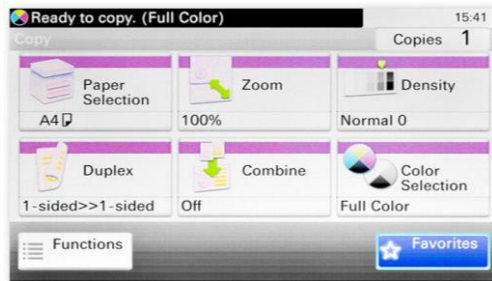
4. Separate FAX button from send key
   In order to have easy and simple access to the fax functionality, the fax button is added to the send button.

5. One touch (short cut) keys
   100 one touch soft keys enable fast and simple access to an address or fax number in only a few steps.

6. Independent soft program key
   Up to 20 program keys can be utilised for tasks that have a regular workflow such as counter services. Function use is for the most part uniform; it is easy to operate regular functions by using the 20 program keys.
   ID copy function is already preprogrammed on the first programmed key. This function enables easy and straight forward copy of ID card format documents.

7. Unifying basic settings into one Function Menu soft button
   Buttons for each of the functions are unified into one button for all functions. Most counter services have regular workflows and their copy jobs are simple. Function buttons are integrated and are easy to operate.

4-6-3. HyPAS^{TM} solution platform for workflow optimisation

The HyPAS^{TM} (Hybrid Platform for Advanced Solutions) capability is offered to support the customer's workflow with dedicated customizations.

> HyPAS^{TM} applications have to be stored on optional **SD**-cards. For applications with very high write cycles industry grade **SD**-cards are recommended.

> The 7 inch colour touch panel has a screen resolution of 800 x 480, which is same as the larger colour touch panels of the A3 MFP devices.

Here are some examples of current HyPAS^{TM} solutions:

- Panel Plus is offered for easy scan workflow customisation
- SmartScan improves the customers' fax and scan workflows
- SmartFax connects to the fax server
- Client applications for connection with servers
  - Equitrac, KYOCERA Net Manager, Cortado Personal Printing
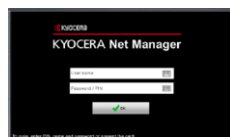
4-7. Security – with advanced control and Data Security Kit (E)

Optional Data Security Kit (E) secures data on optional HD-6/HD-7
- 256 Bit Encryption of stored print files
- Files deleted on the HD-6/HD-7 are automatically sanitised for complete erasure

Product settings are secured against unauthorized configuration with
- Password protected Command Center RX (default: admin00)
- Password protected Control Panel Sub Menu
  (default: 3000/3500 is dependent from A4 print speed)
- Control Panel lock functionality

Access to the product is controlled and limited with
- Interface block function (USB interface, USB Host interface, eKUIO interface)
- IP-Filter (Setup via Command CenterRX) enables only registered users to print
- Department codes (Accounting) avoids unlimited/unauthorized use of the product
- Local and network authentication (Kerberos, NTLM, IEEE 802.1x)
  - o Common standards in secured IT environment
- Active directory support enables direct check of user access rights
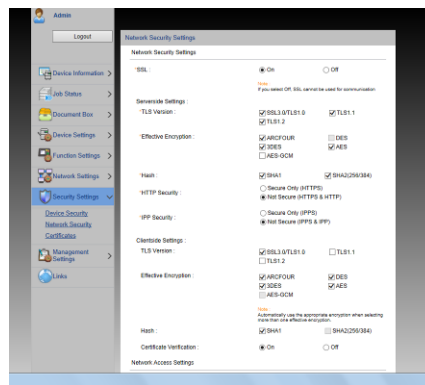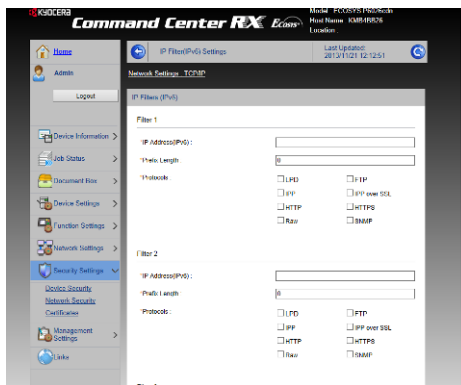
- Connecting a supported USB keyboard enables easier input of user name and password
- State of the art access control is offered with the support of various IC Card Authentication systems.
  - o The Touch Panel / HyPAS™ models can be equipped with the IC Card Reader Holder 10 for seamless integration of the Card Reader.

- **Login by function** combines authentication requirements for functions, which are limited to dedicated user groups with free access for standard functions
  - It is possible to configure which functions are free and which require authentication and dedicated user rights
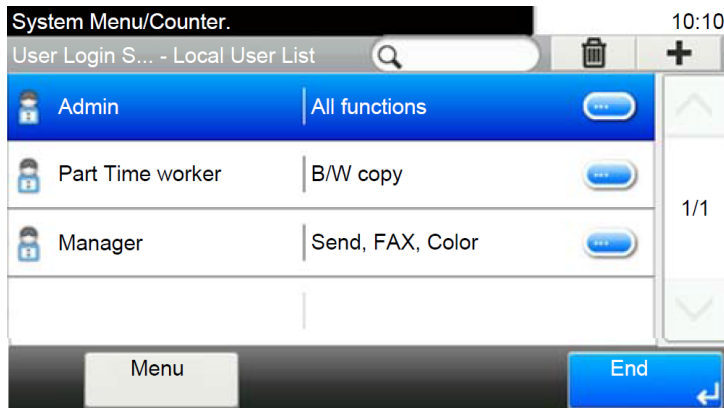
Access to the print jobs is controlled and limited with

- Printing various file formats directly from **USB Flash memory** device requires neither storage of files on the PC nor file transmission via the network
  - It is even possible to print encrypted PDF files from USB memory device.
- **Private Print** for confidential print jobs releases the print job only after authentication via the PIN used to secure the print job. The Printer at which the print job can be collected is already selected with the used printer driver.
- **Print&Follow** enables the user to send the confidential print job from his PC and initiates the printout at a later stage at the device of his choice. Print&Follow is one of the key functions of the **KYOCERA Net Manager**. It releases the print job at the selected device by User authentication, which means the user logs on to the printing device through a valid identification method (ID card/media, USB keyboard or printers alphanumeric keypad).
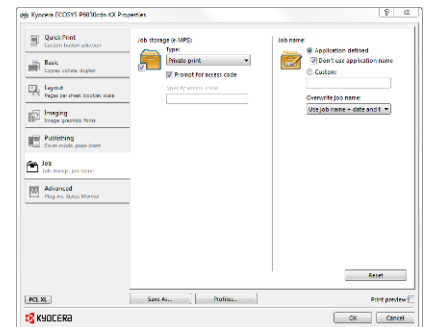
Confidentiality of printed documents is protected with

- Security watermark in KX driver

Choose "Security Watermark" from printer driver

Document printed with watermark embedded

Once the document copied, watermark will emerge
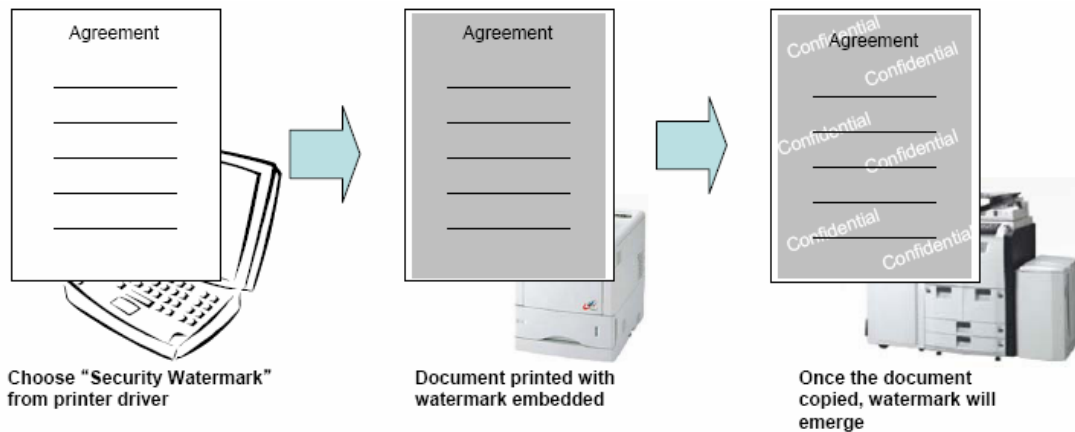
- Security watermark identifies unauthorised copying
- When security watermark is selected in the printer driver, a 'tint' block is embedded into the background
- When this is copied, the tint block appears and shows confidential across the document background

SSL data encryption offers

- Confidentiality of print and scanned jobs (Protect content against sniffers)
- Protection of configuration settings in the network via Command Center RX
- Confidentiality of transferred passwords as part of file transfer
- SSL data encryption is realised by IPSec ,HTTPS , SNMPv3, IPPS , POP over SSL, SMTP over SSL, FTP over SSL, LDAP over SSL

Confidential documents

Personal information

Classified information

Encrypted Transmissions with SSL
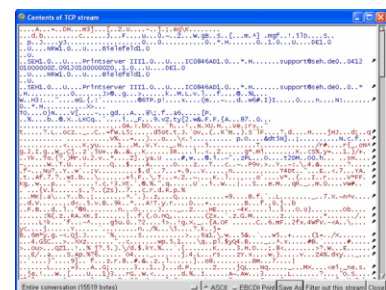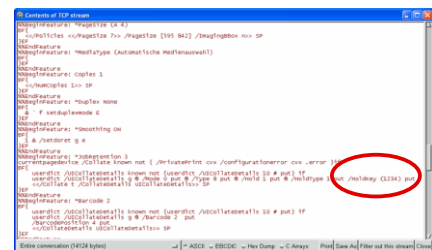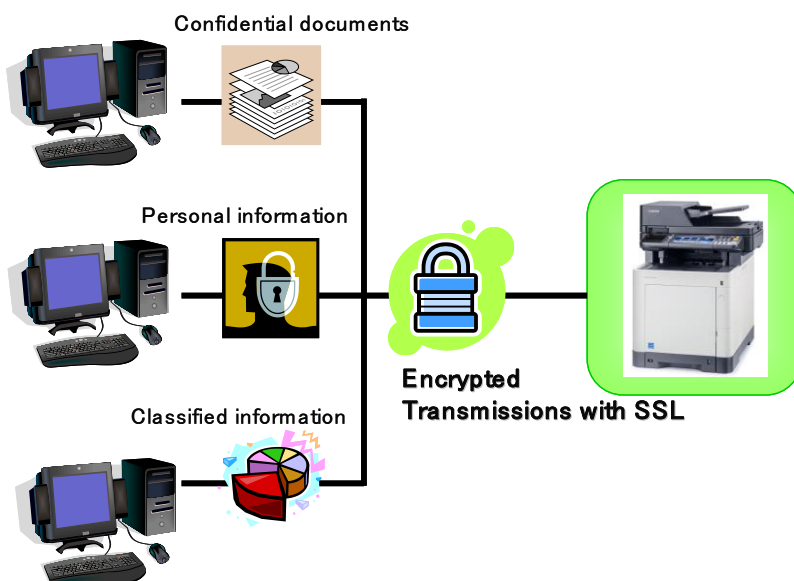
SPECIFICATION SUMMARY

5-1. Specification summary

5-1-1. Detailed product specification
ECOSYS M6x30cidn/M6x35cidn specification

General	
Control Panel Display **ECOSYS M6230cidn / ECOSYS M6630cidn** **ECOSYS M6235cidn / ECOSYS M6635cidn**	**7 inch** Full colour Touch Panel **tilt feature** (0, 10, 20 degree)
Engine speed Simplex	M6x30cidn: Up to 30 pages A4 per minute in colour and b/w Up to 32 ppm LTR in colour and b/w Up to 27 ppm A5,B5,A6 in colour and b/w Up to 26 pppm Legal in colour and b/w M6x35cidn: Up to 35 pages A4 per minute in colour and b/w Up to 37 ppm LTR in colour and b/w Up to 35 ppm A5,B5,A6 in colour and b/w Up to 30 pppm Legal in colour and b/w
Engine speed Duplex	M6x30cidn: Up to 15 ppm A4, LTR in colour and b/w Up to 13 ppm A5, B5, Legal in colour and b/w M6x35cidn: Up to 17 ppm A4, A5, B5 in colour and b/w Up to 18 ppm LTR in colour and b/w Up to 15 pppm Legal in colour and b/w
Resolution	1200dpi
Max Duty cycle	100,000 pages
Max average monthly print volume (based on 36 month use)	10,000 pages
Warm-up time from power on	M6x30cidn: Approx. 26 seconds or less M6x35cidn: Approx. 25 seconds or less
	M6x30cidn: Approx. 7 / 8.5 seconds or less M6x35cidn: Approx. 7 / 8.5 seconds or less
Time to first copy in b/w / colour	M6x30cdn: Approx. 9.5 / 11.5 seconds or less M6x35cidn: Approx. 9 / 11 seconds or less
CPU	ARM Cortex 1.2GHz
Memory	Standard 1,024 MB, max. 3GB
Integrated accounting	100 department codes
	M6x30cidn: 475 × 558 × 616 mm M6x35cidn: 480 × 577 × 619.56 mm
Weight	M6230cidn: Main unit: approx. 35.3kg M6630cidn: Main unit: approx. 35.4kg M6235cidn: Main unit: approx. 36.4kg M6635cidn: Main unit: approx. 36.5kg
	AC 220 ~ 240 V, 50/60 Hz
Power consumption **Sleep / Ready / Copy / Print mode** **TEC (Typical Electricity Consumption)**	M6x30cidn: 0.6W / 70W / 521W / 496W M6x35cidn: 0.6W / 84W / 547W / 532W M6x30cdn: 1.4KWh/week M6x35cidn: 1.7KWh/week

	ECOSYS M6X30cidn: / dB(A) LpA ECOSYS M6X35cidn: / dB(A) LpA
	ECOSYS M6X30cidn: 49.5 dB(A) LpA ECOSYS M6X35cidn: 52 dB(A) LpA
	ECOSYS M6X30cidn: 30 dB(A) LpA ECOSYS M6X35cidn: 30 dB(A) LpA
Product lifetime	5 years or 600,000 pages (MK-Kit required after 200,000 pages)

Paper handling	
MPT	**100**-sheet multi-purpose tray, 60-220 g/m^2, A4, A5, A6, B5, Letter, Legal, Custom (70 x148 to 216 x 356 mm)
Standard paper cassette	250-sheet universal paper cassette 60-163 g/m^2, A4, A5, A6, B5, B6, Letter, Legal, Custom (105 x 148 to 216 x 356 mm)
Max. input capacity with options	**1,850** sheets
Duplex print **Duplex unit**	Standard 60-163 g/m^2, A4, A5, B5, Letter, Legal
Reversing document processor	**75-sheet**, Simplex/duplex scan 50–120 g/m^2, A4, A5, **A6**, B5, Letter, Legal, Custom (**105 x 148** to 216 x 356 mm)
Output capacity	**250** sheets face-down with paper full sensor

Print	
Controller language	PRESCRIBE IIc
Emulations	PCL 6 (5c/XL), PostScript 3 (KPDL 3), PDF Direct Print **1.7**, XPS, Open XPS Direct Print
Direct print via LPR, FTP, USB memory	PDF V.1.7, Encrypted PDF, TIFF, JPEG, XPS, Open XPS
Fonts/barcodes	93 outline fonts (PCL 6, KPDL3) + 8 (Windows Vista), 1 bitmap font, 45 types of one-dimensional barcodes, 1 type of two-dimensional barcode (PDF417)
Interface	Gigabit Ethernet 10BaseT / 100BaseTX / 1000BaseT, USB 2.0 (Hi-Speed), 2xUSB Host 2.0 eKUIO-slot for optional interface or SSD (HDD), Memory Card Slot for optional SD/SDHC Card
Network data encryption	IPSec, HTTPS, SNMPv3, IPPS, POP over SSL, SMTP over SSL, FTP over SSL, LDAP over SSL
Print Features	IPP printing, e-mail printing, WSD print, Private print, AirPrint, **Mopria certified,** 3 tier color coverage counter
Operating systems	All current Windows operating systems, MAC OS X Version 10.5 or higher, Unix, Linux as well as other operating systems on request

Copy	
Max. original size platen cover	A4/Legal
Max. original size document processor	A4/Legal
Continuous copying	1-999
Zoom range	25 - 400% in 1% steps
Preset magnification ratios	7 Reductions / 5 Enlargements
Exposure mode	Auto, manual: 9 steps
Image adjustments	Text + Photo, Photo, Text, Map, Printed document
Digital features	Auto Colour Mode, Scan-once-copy-many, electronic sort, 2in1, 4in1, ID-card copy, program, job reserve, priority print, auto duplex copy, split copy, continuous scan, auto cassette change, copy density control

Scan	
Functionality	Scan-to-e-mail (SMTP over SSL), Scan-to-FTP (FTP over SSL), Scan-to-SMB, Scan to USB Host, TWAIN scan **via USB and network**, WSD (WIA) scan **via USB and network**
Scanning speed	**60** ipm -300 dpi, A4, b/w, **40** ipm -600 dpi , A4 b/w
Scan resolution	600dpi, 400dpi, 300dpi(Default), 200dpi,200x400dpi,200x100dpi
Max. scan size platen cover	A4, Legal
Max. scan size document processor	A4, Legal
Original recognition	Text + Photo, Photo, Text, Light Text/Fine Line, Text (for OCR)
File types	TIFF(MMR/JPEG compression), JPEG, PDF(MMR/JPEG compression), XPS, PDF/A-1,PDF/A-2、PDF (High compression), Encrypted PDF, open XPS、MS Office file (option), Searchable PDF (option)
Scan features	Integrated address book, Active Directory support, encrypted data transfer, multi send (email, fax, SMB/FTP folder, print) at once

Fax (4in1 models only)	
Compatibility	ITU - T Super G3
Modem speed	Max. 33.6 kbps
Transmission speed	Less than 3 seconds
Scanning speed	2.5 seconds
One touch dial	ECOSYS M6530cdn: 22 numbers ECOSYS M6535cidn: 100 numbers
Address book	**200** entries
Compression method	JBIG, MMR, MR, MH
Fax resolution Scan (Send)	Horizontal × Vertical 200 × 100 dpi Normal (8 dot/mm × 3.85 line/mm) 200 × 200 dpi Fine (8 dot/mm × 7.7 line/mm) 200 × 400 dpi Super (8 dot/mm × 15.4 line/mm) 400 × 400 dpi Ultra (16 dot/mm × 15.4 line/mm)
Fax resolution Print	600 x 600 dpi
Maximum original size platen cover	A4, Legal
Maximum original size Document Processor	A4, Legal
Memory reception	256 sheets or more

Fax features	Network fax, duplex transmission and reception, encrypted transmission and reception, polling transmission and reception, forward, broadcast

Options	
PF-5100 Paper feeder (Max. 3)	Max. 500 sheets; 60-220 g/m^2; A4, A5, B5, Letter, Legal, Custom (148 x 210 mm – 216 x 356 mm)
MS-5100 Convenient Stapler	20 sheets, one position semi-automatic stapling, includes 1,500 staples
Cabinets: CB-5100H Cabinet CB-5100L Cabinet	Wooden desk with storage capacity: Approx. 39 cm x 53 cm x 50 cm (WxDxH) Approx. 39 cm x 53 cm x 37 cm (WxDxH)
Memory upgrade	MDDR3-1GB: 1,024 MB
HDD (SSD) small capacity	HD-6: 32 GB for easy document management
HDD (SSD) large capacity	HD-6: 128 GB for easy document management
Data security kit (E):	In line with security level EAL3
Memory Card	SD/SDHC Card up to 32 GB for forms, fonts, logos, macro storage
USB Flash Memory	Supports direct printing of PDF, TIFF, JPEG, XPS, Open XPS files via USB Host interface (USB Flash memory is not offered by KDE)
UG-33	ThinPrint support (Provided as software activation code)
IC-Card Authentication	Various IC-Card authentication solutions can be supported. Separate information is available.
IC-Card Reader Holder 10	Internal Card Reader Holder to integrate the IC Card Reader below the operation panel.
PCL Barcode SD	SD version of PCL Barcode Flash ver 3.0
KYOmulticode SD 3	SD version of KYOmulticode

Optional network interfaces
    Wireless LAN
    Gigabit Ethernet
	IB-51*: Wireless LAN (802.11b/g/n)
	IB-50*: Gigabit Ethernet:
	10BaseT/100BaseTX/1000BaseT (RJ-45)
	*Includes support of ThinPrint,
	AppleTalk, Netware, Novell network printing.
	No support: Kyocera Mobile Print, AirPrint, Mopria*

Toner for ECOSYS M6x30cidn	
TK-527K	Toner black for 8,000 pages A4*
TK-527C/ TK-527M/ TK-527Y	Toner Cyan, Magenta, Yellow for 6,000 pages A4*
Starter toner capacity	Toner black for 3,500 pages A4* Toner Cyan, Magenta, Yellow for 2,500 pages A4*
Toner for ECOSYS M6x35cidn	
TK-528K	Toner black for 13,000 pages A4*
TK-528C/ TK-528M /TK-528Y	Toner Cyan,Magenta,Yellow for 11,000 pages A4*
Starter toner capacity	Toner black for 6,000 pages A4* Toner Cyan, Magenta, Yellow for 5,000 pages A4*

* Toner capacities: Average continuous toner yield in accordance with ISO/IEC 19798