

**KM-1650/KM-2050**

A3 MONOCHROME MULTIFUNCTIONALS

▶ print ▶ copy ▶ scan ▶ fax

A GOOD INVESTMENT **GROWS WITH**  
**YOUR NEEDS.**



 **KYOCERA**

# FLEXIBILITY, RELIABILITY AND EFFICIENCY FOR TODAY AND TOMORROW.

## PROVEN EXPERTISE TO KEEP YOUR BUSINESS OUT IN FRONT

Kyocera has proven expertise in the fields of document printing and copying technology so is uniquely positioned to deliver multifunctionals of the highest quality. Our commitment to developing products that save you money and help the environment is equally well established. In common with every Kyocera product, the KM-1650 and KM-2050 feature long-lasting components that ensure increased reliability.

With network functionality as standard, the devices can be configured to fit your growing business needs thanks to a wide range of optional input and output enhancements. As a result, they help to reduce running costs, avoid waste, optimise workflows and, most importantly of all, let you function as efficiently as possible.



A dynamic business doesn't just focus on today. It also plans for the future so that growth can be achieved and challenges met. The KM-1650 and KM-2050 monochrome multifunctionals are uniquely equipped for just such a scenario. Compact and network-ready, they do away with the need for separate fax, print and copy devices. In doing so they save time and resources, take up little space and provide a sound investment for the future.



**Optional double-sided scanning and copying**

Lets you auto scan or copy on both sides of up to 50 originals.

**Fast first-page-out time**

So you're not kept waiting around.

**Fast document output**

Lets you work quicker, provides increased efficiency and frees up time for other tasks.

**Network-ready**

Users can share the device from the outset, without the hidden costs of network connection or separate printing options.

**Large paper capacity**

Lets you carry out long print runs with ease, without the need for frequent refilling.

**Long-life components**

Proven Kyocera technology minimises running costs, stretches service intervals, increases reliability and reduces environmental impact.

## WORKGROUP EFFICIENCY THAT TAKES YOUR BUSINESS FORWARD

The KM-1650 and KM-2050 allow the entire office to become more productive. They provide fast A4 and A3 copying and printing with the option of powerful scanning and faxing. With a standard paper capacity of 350 sheets, the KM-1650 produces 16 A4 pages per minute. The KM-2050 has a standard paper capacity of 650 sheets, producing 20 A4 pages per minute. In both machines the paper capacity can be upgraded to 1,250 sheets – perfect for heavier workloads. Install either device in your office and you'll find workgroups work faster and more efficiently.

## POWERFUL NETWORK PRINTING

Offering network printing as standard, the KM-1650 and KM-2050 allow everyone to share resources and information. In addition, USB 2.0 (Hi-Speed) and IEEE 1.284 parallel interfaces provide a further level of access and flexibility. A powerful processor combined with 64 MB of memory (expandable to 320 MB) allows even the most complex digital files, such as those containing photographs and graphics, to be printed at high speed. Both devices support PCL6 and offer PostScript 3 emulation, while PDF direct printing lets you print PDFs without having to open the files first.

## ADVANCED COPY FEATURES

With a warm-up time of under 20 seconds and a first-copy-out time of 5.9 seconds, the KM-1650 and KM-2050 won't keep you waiting for your copies. A standard copier memory of 64 MB means you can perform complex tasks and still maintain the highest possible image quality. Should additional memory be required, an impressive 256 MB can be added.

### ELECTRIC SORT MODE

Collates copy jobs automatically. Say goodbye to sorting multiple copies by hand.



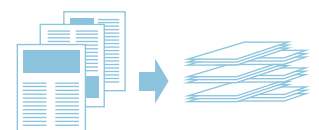
### LAYOUT MODE

Lets you reduce images from either 2 or 4 originals and combine them on a single copy. Convenient, and saves paper too.



### ROTATE SORT MODE

Delivers presorted multiple copy sets, saving you time. With the inclusion of the optional paper feeder, multiple copy sets are handled with ease.



## EFFICIENT NETWORK SCANNING

The popularity of e-mail as a communication tool means network scanning is an extremely useful option. It allows workgroups to benefit from efficient document archiving and electronic document distribution. Scans can be sent directly to any PC or as e-mail attachments in either PDF or TIFF format. Up to 100 e-mail addresses can be stored in the address book. Meanwhile, the optional document processor allows you to take advantage of the continuous scan functionality for larger documents that remembers recipient details for several scans and scan settings.

## FLEXIBLE FAX FUNCTION

An optional Super G3 fax allows fast and efficient document distribution. Once the optional document processor has been installed, double-sided A4 and A3 documents can be faxed. If both the network scan and fax options are installed, network fax transmission and reception are possible for even greater levels of operational efficiency.

### Job separator

Lets you organise jobs efficiently by keeping print, copy and fax output separate.

### Compact internal finisher

Gives you professionally finished documents while saving space.



### Document processor

Allows high speed double-sided input of up to 50 sheets of originals.

### Duplex unit

Provides double-sided print and copy output.

### Optional 300-sheet paper cassettes

Make large print or copy jobs easy, with fewer paper refills.

## READY TO GROW WITH YOU

Every business is unique. So why settle for a standard solution to your requirements? With the KM-1650 and KM-2050, you can select from a great range of input and output options and configure a tailor-made system to meet your every need. From extra-capacity paper cassettes to duplex units to finishers and separators, the options allow you a fine degree of customisation and add a further level of efficiency.

# KM-1650/KM-2050

## A3 MONOCHROME MULTIFUNCTIONALS

The KM-1650 and KM-2050 incorporate extremely durable components that guarantee efficient and reliable operation. The systems are designed to meet the demanding requirements of busy office environments. The KM-1650 and KM-2050 provide effective productivity and maximise uptime whilst ensuring a minimum impact on the environment.

### GENERAL

**Technology:** Kyocera Laser, Mono component  
**Type:** Desktop  
**Engine speed:**  
KM-1650: Max. 16/8 pages per minute A4/A3  
KM-2050: Max. 20/10 pages per minute A4/A3  
**Resolution:** 600 dpi x 600 dpi, 256 greyscales (scan/copy), Fast 1,200 dpi (1,800 x 600 dpi), 2,400 x 600 dpi with KIR2 (print)  
**Time to first copy:** 5.9 seconds or less  
**Time to first page:** 5.5 seconds or less  
**Warm-up time:** 20 seconds or less  
**Power Source:** AC 220 V ~ 240 V, 50/60 Hz  
**Power Consumption:**  
KM-1650: Printing: 485W, Stand-By: 105W, Low power: 47W  
KM-2050: Printing: 499W, Stand-By: 105W, Low power: 47W  
**Noise (ISO 7779):** Printing: 62dB, Stand-By: 40dB  
**Dimensions (W x D x H):**  
KM-1650: 574 x 593 x 502 mm  
KM-2050: 574 x 593 x 607 mm  
**Weight:**  
KM-1650: Approx. 41 kg  
KM-2050: Approx. 47 kg  
**Certification:** GS/TÜV/CE  
This product is produced according to the quality norm ISO 9001 and the environmental guidelines ISO 14001

### PAPER HANDLING

All mentioned paper capacities are based on a paper thickness of max. 0.11 mm. Please use paper recommended by Kyocera Mita under normal environmental condition.

**Input capacity:** 300-sheet universal feeder, 64-105g/m<sup>2</sup>, A3, A4, A5, A6, Ledger, Letter, Legal, Folio  
50-sheet multi-purpose tray, 45-160g/m<sup>2</sup>, A3, A4, A5, A6, Ledger, Letter, Legal, Folio,  
Custom (98 x 147 - 297 x 432 mm)  
Max. 1,250 sheets (4 paper feeders)  
**Output capacity:** 250-sheet face-down

### COPY FUNCTIONS

**Max. original size:** A3  
**Continuous copying:** 1 - 999  
**Memory capacity:** 64 MB standard, Max. 256 MB, 1 additional DIMM slot (16, 32, 64, 128 MB)  
**Zoom range:** 25 - 200% in 1% steps  
**Present magnification ratios:** 5R / 4E  
**Digital copy features:** Energy save mode, interrupt copy, scan-once-print-many, electronic sort, rotate sort, rotate sort copy<sup>\*1</sup>, automatic paper selection, duplex<sup>\*2</sup>, stapling<sup>\*3</sup>, layout mode (2-in-1, 4-in-1), filling copy, split copy, margin shift, boarder erase, ECOcopy mode, program key mode, department code (100)  
**Exposure mode:** Auto, Manual: 7 steps  
**Image adjustments:** Text + Photo, Text, Photo

<sup>\*1</sup> only KM-1650: Additional paper feeder PF-410 is required  
<sup>\*2</sup> Additional duplex unit DU-410 is required  
<sup>\*3</sup> Additional document finisher DF-410 is required

Your Kyocera Business Partner:

### CONTROLLER PRINT FUNCTIONS (standard)

**Processor:** PowerPC 750Cxr 300MHz  
**Memory:** 64 MB standard, Max. 320 MB, 1 additional DIMM slot (32, 64, 128, 256 MB) + Microdrive  
**Emulations:** PCL6/PCL5e incl. P/L, KPDL 3 (PostScript 3 compatible) with Automatic Emulation Sensing (AES), Line Printer, IBM Proprinter X24E, Epson LQ-850, Diablo 630  
**Controller language:** PRESCRIBE IIe  
**Fonts:** 80 outline fonts (PCL), 136 outline fonts (KPDL3), 1 bitmap font, 45 types of one-dimensional barcodes, plus two-dimensional barcode PDF-417  
**Print features:** eMPS-for quick copy, proof, and hold private print, storage and job management functionality with Microdrive, PDF direct printing

### INTERFACES

**Standard interface:** High-speed bi-directional parallel (IEEE 1284), USB 2.0 (High-speed), 10Base-T/100Base-TX standard, KUIO LV Option-Interface slot, CF card Option-interface slot, Microdrive Option-interface slot  
**Multiple interface connection (MIC):** MIC allows for simultaneous data transfer via up to three interfaces, with each interface having its own virtual printer.

### SCAN FUNCTIONS (optional)

**Scan Functionality:** Scan-to-PC, scan-to-email, network TWAIN  
**Scan Speed:** Max. 20 originals per minute (600 dpi/A4)  
**Original type:** Text, photo, text + photo and OCR  
**Maximum scan size:** A3  
**Scan resolution:** 600, 400, 300, 200 dpi (256 greyscales)  
**Applicable PC:** IBM PC/AT compatible  
**Applicable OS:** Windows 95, 98, Me, NT4.0, 2000, XP, Server2003, Mac  
**Interface:** 10/100Base-TX  
**Network protocol:** TCP/IP  
**Compression format:** G4 (MMR)  
**Image format:** TIFF, PDF  
**Bundled software:** Scanner file utility, Address book, Address editor, TWAIN Source, Scan to Mac, PaperPort 8.2

### FAX FUNCTIONS (optional)\*

\*Optional document processor DP-410 is required  
**Compatibility:** ITU-T Super G3  
**Modem speed:** Max. 33.6 kbps  
**Transmission speed:** 3 seconds or less (JIBG)  
**Scanning speed:** 1 second  
**Scanning density:** 8 dot/mm x 3.85 line/mm, Fine: 8 dot/mm x 7.7 line/mm, Superfine: 8 dot/mm x 15.4 line/mm, Ultrafine: 16 dot/mm x 15.4 line/mm (with optional memory), halftone  
**Maximum original size:** A3  
**Compression method:** JBIG, MMR, MR, MH  
**Memory:** Standard 4 MB Bitmap (Max. 8 MB), Standard 4 MB Image (Max. 32 MB)  
**Fax features:** Network faxing\*, rotate transmission, duplex fax reception, confidential, relay and bulletin board, transmission and reception, N-up reception, mailbox, remote diagnostics.  
\*Optional Scan system(F) is required  
**Bundled software:** Address book for fax, Address editor for fax

### OPTIONS

#### Scan system (F), Fax system (L)

**Paper handling**  
**DP-410A Document Processor:** 50-sheet, Duplex scan, 45-160g/m<sup>2</sup>, A3-A5R, Folio, Ledger-Statement-R  
**PF-410A Paper feeder:** 300-sheets, 60-105g/m<sup>2</sup>, A3-A5R, Folio, Ledger-Statement-R  
**DU-410 Duplex unit:** 60-80g/m<sup>2</sup>, A3-A5R, Folio, Ledger-Statement-R  
**JS-410 Job separator:** 100-sheet, 45-90g/m<sup>2</sup>, A3-A5R, Folio, Ledger-Statement-R  
**DF-410 Document finisher:** 500-sheet, 60-105g/m<sup>2</sup>, A3-B5, Folio, Ledger-Statement-R, Staple(30-sheet), 1 position

**Memory**  
**Copy Memory**  
**DIMM memory:** Max. 256 MB, 1 additional DIMM slot (16, 32, 64, 128 MB)  
**Printer Memory**  
**DIMM memory:** Max. 320 MB, 1 additional DIMM slot (32, 64, 128, 256 MB)  
**CompactFlash card:** 1 slot (max. 2 GB), forms, fonts, logos, macro storage  
**Microdrive:** 1 slot, storage of data, forms, fonts, etc and eMPS  
**Fax Memory**  
**MM-13-32:** Bitmap (4 MB) and Image memory (28 MB)

**Optional interface**  
**IB-23 Network card:** 10Base-T/100Base-TX  
**SB-70 Network card:** Wireless LAN - IEEE 802.11b  
**IB-11 Serial Interface:** RS-232C Serial Interface (up to 115.2kbps)

**Others**  
**Platen cover (D)**  
**CB-411 cabinet:** High metal cabinet with storage capacity  
**CB-416 cabinet:** Low metal cabinet with storage capacity  
**CB-410 cabinet:** High wooden cabinet with storage capacity  
**CB-415 cabinet:** Low wooden cabinet with storage capacity

### CONSUMABLES

**TK-410 Toner-Kit:** Microfine toner for 15,000 pages at 6% A4 coverage

Capacity of starter toner is 3,000 pages at 6% A4 coverage



### Select your options to suit your needs:

Document processor (DP-410A)

Job separator (JS-410)

Duplex unit (DU-410)

Paper feeder (PF-410A)



Low wooden cabinet with storage capacity (CB-415)

Product depicted includes optional extras



CarbonNeutral® company

Printed by Beacon Press, a carbon neutral company using their pureprint® environmental print technology.

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